

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

**Spectrographic analyses of panned concentrate
from stream-sediment samples from the Mazatzal Wilderness and
Mazatzal Wilderness Contiguous Roadless Area
Gila, Maricopa, and Yavapai Counties, Arizona**

By

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Open-File Report 83-524

1983

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

FOREWORD

Studies Related to Wilderness

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of a geochemical survey of the Mazatzal Wilderness and Mazatzal Wilderness Contiguous Roadless Area (RARE II 03016) in the Tonto and Coconino National Forests, Gila, Maricopa, and Yavapai Counties, Arizona. The Mazatzal Wilderness was established by Public Law 88-577, September 3, 1964. The Mazatzal Wilderness Contiguous Roadless Area was classified as a further planning area during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

INTRODUCTION

The Mazatzal Wilderness and Mazatzal Wilderness Contiguous Roadless Area (RARE II 03016) are situated 8 mi (13 km) west of Payson, Ariz., and comprise 451 sq mi (1171 sq km) of mountainous terrain of which 321 sq mi (831 sq km) is the Mazatzal Wilderness and 130 sq mi (340 sq km) is the contiguous roadless area. The area is located in the Tonto and Coconino National Forests in a region typical of the arid mountains of the Southwestern United States. Prominent physiographic features in the wilderness include the high crest of the Mazatzal Mountains and the deep canyon of the East Verde River. The Verde River, one of the main drainages in Arizona, borders the west side of the area (fig. 1).

A geochemical reconnaissance survey was undertaken in 1979-81 by S. P. Marsh and assistants. The purpose of the survey was to provide geochemical data that would aid in the preparation of a comprehensive report on the mineral-resource potential of the Mazatzal Wilderness and Mazatzal Wilderness Contiguous Roadless Area. Data were obtained from analyses of 470 heavy mineral concentrate samples, which were panned from stream sediments. All sample localities were plotted on a

1:48,000-scale topographic map (plate 1). Samples were numbered consecutively from 001 to 448 with the remaining 25 samples being nonconsecutive. All samples taken in the Mazatzal study were prefixed with a two letter designation, MZ. The concentrate samples are suffixed with the letter "C." Column 1 on each page of the data of table 2 contains the assigned sample number. Columns 2 and 3 contain latitude and longitude (in degrees, minutes, and seconds) for each sample.

FIELD METHODS

Panned concentrate from stream-sediment samples were collected from first- and second-order stream drainages at a sample density of approximately 1 sample site per 1 sq mi (2.5 sq km), representing drainage areas as large as 3 sq mi (8 sq km). Thirty-six percent of the samples were taken from dry stream beds, from within what appeared to be the most recently active channel. Samples from dry drainages were taken from what was presumed to be the most recently active channel. In active and dry streams, panned concentrate samples were purposefully biased by collection from points of natural concentration of heavy minerals by stream processes. Stream-sediment samples were sieved on site

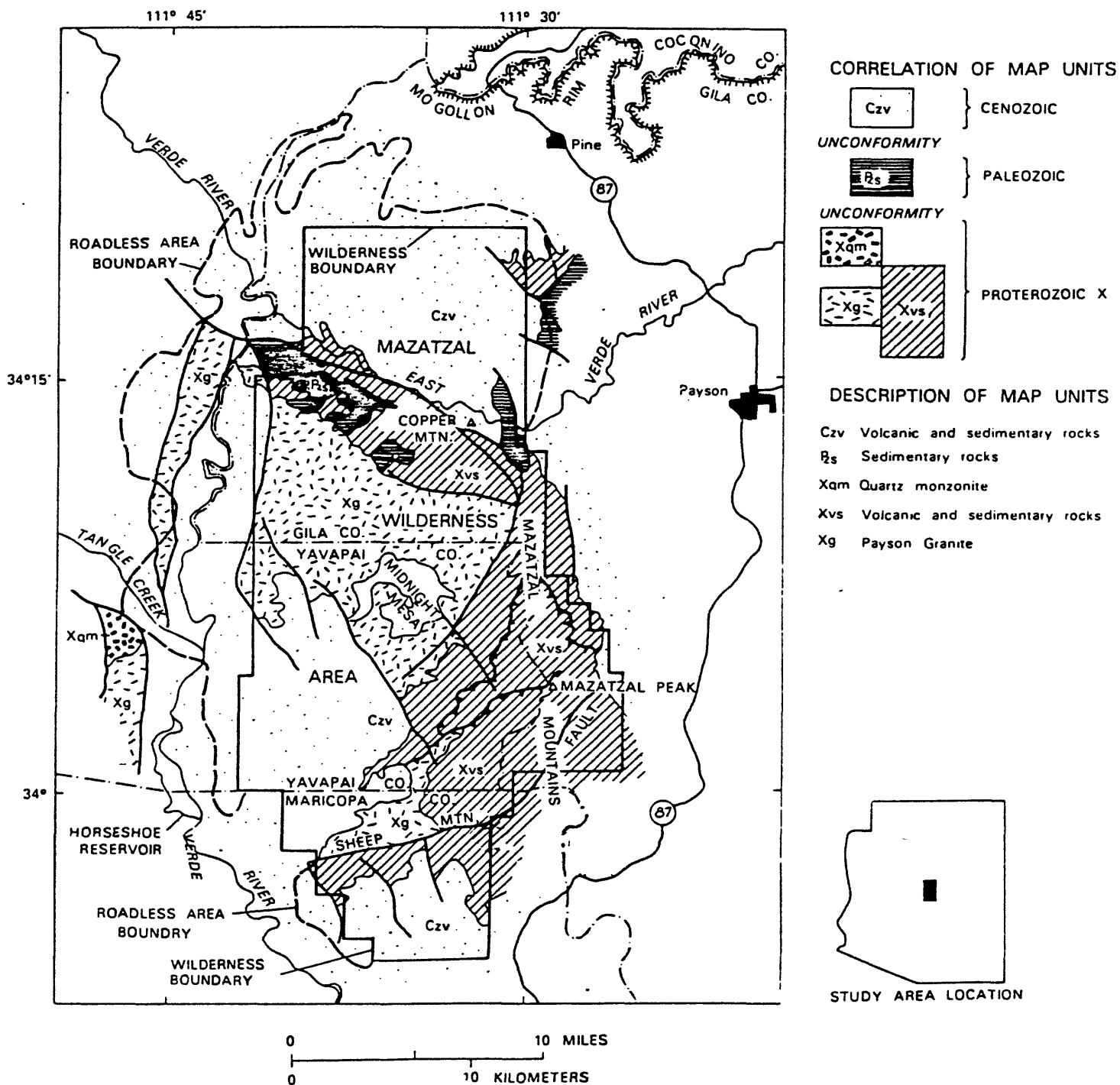


Figure 1 Map/ showing location and generalized geology of the Mazatzal Wilderness

through an 0.08 in. (2 mm) stainless steel screen into a 14 in. (35 cm) diameter gold pan. Samples were panned at the sample site to approximately 1/100 of their original volumes and then placed in 3.5 x 9.5 in. (9 x 24 cm) paper bags. When water was not available on site, the -0.08 in. (-2 mm) material was placed in a cloth bag and transported to the nearest source of water, where they were then panned. All samples were air-dried prior to further processing.

ANALYTICAL METHODS

Dried panned-concentrate samples were sieved through a 590 μm stainless steel sieve and the +590 μm fraction was discarded. The -590 μm was further concentrated by flotation of the low density minerals (specific gravity 2.86) in bromoform. The remaining high density fraction was separated into 3 fractions based on degree of magnetism. After removal of magnetite by a hand magnet, the most magnetic fraction was separated by passing the sample through an electromagnet set at 0.6 amp. The intermediate fraction was separated by setting the electromagnet at 2.0 amps and passing the remaining sample through the separator. The resultant nonmagnetic-heavy-mineral fraction at 2.0 amps was examined under a binocular microscope for mineralogy and then ground to a powder for analysis.

Following preparation, the nonmagnetic heavy-mineral-concentrate samples were analyzed by a modified version of semiquantitative emission spectrographic method described by Grimes and Marranzino (1968) for the analysis of geologic materials. Because the nonmagnetic heavy-mineral-concentrate samples contain mineral species often high in iron, titanium, calcium, and zirconium the following modification was made to eliminate the

spectral interferences produced by high concentrations of these elements. Five milligrams of prepared sample were mixed with 25 milligrams of a 4:1 mixture of pure graphite powder and pure Arkansas quartz. This mixture was packed into a preformed graphite electrode and arced under the same conditions as were the stream-sediment samples. Because the initial sample weight was half that used to produce the standard spectra, all values were increased by two reporting intervals or steps (e.g. 20 ppm reported as 50 ppm). Similarly the lower limits of detection also were doubled (table 1). Spectrographic results were obtained by visual comparison of spectra derived from the unknown against spectra obtained from standards made from pure oxides or carbonates using a 20x comparator. Standards were prepared so that their concentrations encompass those in natural material. When comparisons are made with sample films for semiquantitative use, reported values are rounded to 100, 50, 20, 10, and so forth. Those samples whose concentrations are estimated to fall between the above values are arbitrarily given values of 70, 30, 15, 7, and so forth (Grimes and Marranzino, 1968). The precision of the method is approximately plus or minus one reporting unit at the 83 percent confidence level and plus or minus two reporting units at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (magnesium, calcium, iron, and titanium) are given in weight percent; all others are given in parts per million (micrograms/gram). Table 1 lists all elements analyzed and their lower limits of determination and the results of these analyses for 31 elements are given in table 2, columns 4-34.

Analytical results, sample descriptions, and locations were entered into a computerized rock analyses storage system (RASS) (VanTrump and Miesch, 1977).

REFERENCES CITED

- Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.
- Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analysis: U.S. Geological Survey Circular 738, 25 p.
- VanTrump, George, Jr., and Miesch, A. T., 1977, The U.S. Geological Survey RASS-STATPAC System for management and statistical reduction of Geochemical Data: Computers and Geosciences, v. 3, no. 3, p. 475-488.

Table 1.—Summary of elements analyzed, lower limits of detection, and analytical reference for samples from the Mazatzal Wilderness and Mazatzal Wilderness Contiguous Roadless Area (RARE II 03016), Gila, Maricopa, and Yavapai Counties, Arizona

[D.C. arc/spectrographic analysis by M. S. Erickson and C. L. Forn]

Column Designation	<u>Lower Limit of Detection</u> Sediment	Reference
Fe-pct-s	0.1	Grimes and Marranzino (1968)
Mg-pct-s	0.05	_____Do_____
Ca-pct-s	0.1	_____Do_____
Ti-pct-s	0.005	_____Do_____
Mn-ppm-s	20	_____Do_____
Ag-ppm-s	1	_____Do_____
As-ppm-s	500	_____Do_____
Au-ppm-s	20	_____Do_____
B-ppm-s	20	_____Do_____
Ba-ppm-s	50	_____Do_____
Be-ppm-s	2	_____Do_____
Bi-ppm-s	20	_____Do_____
Cd-ppm-s	50	_____Do_____
Co-ppm-s	10	_____Do_____
Cr-ppm-s	20	_____Do_____
Cu-ppm-s	10	_____Do_____
La-ppm-s	50	_____Do_____
Mo-ppm-s	10	_____Do_____
Nb-ppm-s	50	_____Do_____
Ni-ppm-s	10	_____Do_____
Pb-ppm-s	20	_____Do_____
Sb-ppm-s	200	_____Do_____
Sc-ppm-s	10	_____Do_____
Sn-ppm-s	20	_____Do_____
Sr-ppm-s	200	_____Do_____
V-ppm-s	20	_____Do_____
W-ppm-s	100	_____Do_____
Y-ppm-s	20	_____Do_____
Zn-ppm-s	500	_____Do_____
Zr-ppm-s	20	_____Do_____
Th-ppm-s	200	_____Do_____

Table 2.—Spectrographic analyses of panned concentrate from stream sediment samples from the Mazatzal Wilderness and Mazatzal Wildness Contiguous Roadless Area (RARE II 03016), Gila, Maricopa, and Yavapai Counties, Arizona. (The following qualifiers are used in reporting spectrographic data: N, not detected; S, detected, but present at a concentration less than the value reported; and >, elements present at a concentration greater than the upper calibration limit.)

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppt. S	Ag-ppt. S	As-ppt. S	Au-ppt. S	B-ppt. S	Ba-ppt. S
M2001C	34 16 59	111 38 55	5.0	7.00	5.00	.500	1,500	N	N	N	<20	700
M2002C	34 16 45	111 38 55	5.0	5.00	10.00	.300	1,000	N	N	N	<20	1,000
M2003C	34 16 41	111 38 13	5.0	7.00	15.00	.300	1,500	N	N	N	<20	3,000
M2004C	34 16 7	111 37 58	7.0	3.00	15.00	>1.000	2,000	N	N	N	100	3,000
M2005C	34 16 5	111 40 28	5.0	3.00	7.00	.700	1,500	N	N	N	<20	1,000
M2006C	34 18 14	111 40 54	2.0	7.00	15.00	.100	>5,000	N	N	N	<20	200
M2007C	34 18 41	111 40 43	3.0	5.00	15.00	.300	3,000	N	N	N	<20	2,000
M2008C	34 19 33	111 41 23	5.0	7.00	15.00	.500	1,500	N	N	N	<20	500
M2009C	34 19 6	111 40 43	5.0	7.00	20.00	.700	1,500	N	N	N	<20	200
M2010C	34 19 30	111 41 32	2.0	5.00	15.00	.300	1,500	N	N	N	<20	3,000
M2011C	34 20 7	111 41 36	2.0	10.00	20.00	.100	3,000	N	N	N	<20	>5,000
M2012C	34 21 50	111 37 49	3.0	5.00	15.00	.300	1,000	N	N	N	<20	700
M2013C	34 21 44	111 39 29	5.0	7.00	15.00	.700	1,500	N	N	N	<20	300
M2014C	34 20 59	111 38 5	5.0	7.00	20.00	.300	1,500	N	N	N	<20	150
M2015C	34 21 19	111 39 52	1.5	5.00	15.00	.200	700	N	N	N	<20	>5,000
M2016C	34 20 12	111 38 36	3.0	7.00	20.00	.500	1,000	N	N	N	<20	200
M2017C	34 19 54	111 39 46	5.0	5.00	10.00	.500	1,000	N	N	N	<20	1,500
M2018C	34 19 59	111 38 50	5.0	7.00	15.00	.500	1,500	N	N	N	<20	300
M2019C	34 19 43	111 39 50	7.0	7.00	20.00	1.000	1,500	N	N	N	<20	200
M2020C	34 19 27	111 38 40	1.5	7.00	15.00	.300	1,000	N	N	N	<20	500
M2021C	34 18 31	111 39 58	7.0	7.00	15.00	.700	2,000	N	N	N	<20	300
M2022C	34 18 26	111 42 26	3.0	7.00	15.00	.300	1,500	N	N	N	<20	1,500
M2023C	34 17 41	111 41 51	2.0	10.00	>20.00	.200	5,000	N	N	N	20	200
M2024C	34 16 11	111 40 26	3.0	7.00	20.00	.500	1,000	N	N	N	<20	>5,000
M2025C	34 17 4	111 41 22	2.0	7.00	10.00	.500	1,000	N	N	N	100	1,000
M2026C	34 17 49	111 39 35	5.0	7.00	15.00	.700	2,000	N	N	N	<20	>5,000
M2027C	34 15 53	111 41 9	3.0	1.50	10.00	.700	1,000	N	<500	N	70	>5,000
M2028C	34 15 39	111 40 50	3.0	5.00	15.00	>1.000	3,000	N	N	N	150	2,000
M2029C	34 15 32	111 41 33	3.0	1.50	10.00	>1.000	2,000	N	<500	N	100	>5,000
M2030C	34 15 11	111 41 45	3.0	1.50	15.00	1.000	1,000	N	N	N	200	1,500
M2031C	34 14 5	111 42 10	5.0	7.00	15.00	>1.000	1,000	N	N	N	<20	>5,000
M2032C	34 13 57	111 41 42	5.0	5.00	15.00	.700	1,500	N	<500	N	70	>5,000
M2033C	34 13 29	111 41 36	3.0	7.00	15.00	>1.000	2,000	N	N	N	50	2,000
M2034C	34 13 15	111 41 35	3.0	7.00	20.00	.700	2,000	N	N	N	<20	>5,000
M2035C	34 12 34	111 41 24	2.0	3.00	15.00	>1.000	1,000	N	<500	N	100	3,000
M2036C	34 12 39	111 42 17	.5	.20	20.00	>1.000	700	N	<500	<20	70	1,000
M2037C	34 13 37	111 42 18	1.0	1.50	20.00	>1.000	700	N	N	N	50	>5,000
M2038C	34 13 5	111 42 27	1.0	.50	>20.00	>1.000	300	N	N	N	30	3,000
M2039C	34 12 7	111 41 17	3.0	7.00	>20.00	.300	3,000	N	N	N	<20	3,000
M2040C	34 11 37	111 41 31	.7	7.00	15.00	.200	3,000	N	N	N	20	300
M2041C	34 11 34	111 42 56	1.5	5.00	15.00	>1.000	1,000	N	<500	N	30	1,500
M2042C	34 11 30	111 43 1	1.0	3.00	10.00	>1.000	1,000	N	N	N	70	2,000
M2043C	34 11 5	111 43 15	1.0	1.50	15.00	>1.000	300	N	N	N	30	>5,000
M2044C	34 10 42	111 42 10	5.0	7.00	>20.00	.500	2,000	N	N	N	<20	>5,000
M2045C	34 10 1	111 43 15	1.0	5.00	15.00	.500	1,000	N	N	N	<20	1,500

Table 2.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
MZ001C	N	N	N	20	>5,000	300	50	N	N	300	150	N	100
MZ002C	N	N	N	20	>5,000	15	<50	N	N	150	N	N	50
MZ003C	N	N	N	20	>5,000	15	<50	N	N	200	N	N	100
MZ004C	<2	N	N	20	3,000	30	50	N	<50	100	100	N	50
MZ005C	N	N	N	30	1,500	100	<50	N	N	150	20	N	50
MZ006C	N	N	N	30	1,500	70	50	N	N	200	200	N	70
MZ007C	N	N	N	20	>5,000	15	<50	N	N	100	N	N	70
MZ008C	N	N	N	20	>5,000	15	50	N	N	200	N	N	100
MZ009C	N	N	N	15	>5,000	15	<50	N	N	200	<20	N	100
MZ010C	N	N	N	30	>5,000	20	<50	N	N	200	<20	N	100
MZ011C	N	N	N	70	1,000	70	<50	N	N	150	200	N	50
MZ012C	N	N	N	20	>5,000	10	<50	N	N	200	N	N	100
MZ013C	N	N	N	30	>5,000	20	30	N	N	300	N	N	>100
MZ014C	N	N	N	15	>5,000	20	<50	N	N	300	N	N	100
MZ015C	N	N	N	15	>5,000	10	70	N	N	200	<20	N	100
MZ016C	N	N	N	30	>5,000	30	50	N	N	300	300	N	>100
MZ017C	N	N	N	20	5,000	50	<50	N	N	100	N	N	50
MZ018C	N	N	N	30	>5,000	30	<50	N	N	200	N	N	100
MZ019C	N	N	N	20	>5,000	30	<50	N	N	300	N	N	>100
MZ020C	N	N	N	15	>5,000	<10	<50	N	N	200	<20	N	70
MZ021C	N	N	N	50	5,000	70	30	N	N	300	100	N	100
MZ022C	N	N	N	30	>5,000	20	50	N	N	200	N	N	>100
MZ023C	N	N	N	50	5,000	20	<50	N	N	150	N	N	70
MZ024C	N	N	N	<10	5,000	20	50	N	N	150	50	N	70
MZ025C	N	N	N	10	>5,000	10	150	N	N	200	<20	N	70
MZ026C	N	N	N	20	>5,000	70	30	N	N	200	150	N	100
MZ027C	<2	N	N	10	500	50	150	N	N	<10	150	N	20
MZ028C	N	N	N	30	1,500	700	70	N	70	70	70	N	70
MZ029C	<2	N	N	<10	300	100	50	N	70	<10	200	N	70
MZ030C	<2	N	N	<10	1,000	30	100	N	N	50	70	N	20
MZ031C	<2	N	N	20	20	50	150	N	100	200	70	N	70
MZ032C	<2	N	N	15	>5,000	20	100	N	N	150	<20	N	70
MZ033C	<2	N	N	10	5,000	50	100	N	50	150	50	N	70
MZ034C	2	N	N	15	>5,000	30	100	N	50	150	70	N	>100
MZ035C	2	N	N	<10	1,500	15	100	N	50	50	70	N	70
MZ036C	15	N	N	N	3,000	30	150	N	150	<10	150	N	>100
MZ037C	5	N	N	<10	1,000	15	200	N	70	30	100	N	100
MZ038C	7	N	N	<10	150	30	100	N	50	<10	70	N	>100
MZ039C	N	N	N	<10	>5,000	150	<50	N	N	150	20	N	100
MZ040C	<2	N	N	10	1,000	10	70	N	N	50	20	N	20
MZ041C	2	300	N	<10	3,000	30	100	70	100	100	150	N	>100
MZ042C	7	N	N	<10	3,000	<10	100	N	100	50	70	N	>100
MZ043C	7	N	N	N	500	15	300	N	100	30	70	N	100
MZ044C	N	N	N	15	>5,000	20	<50	N	N	200	<20	N	100
MZ045C	<2	N	N	N	5,000	<10	70	N	<50	70	<20	N	30

Table 2.---Continued

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
M2001C	N	700	200	N	50	N	>1,000	N
M2002C	N	700	50	N	30	N	1,000	N
M2003C	N	200	200	N	20	N	200	N
M2004C	N	700	200	N	100	N	>1,000	N
M2005C	N	300	100	N	20	N	150	N
M2006C	N	700	100	N	50	N	>1,000	N
M2007C	N	<200	150	N	30	N	>1,000	N
M2008C	N	200	200	N	50	N	>1,000	N
M2009C	N	200	200	N	20	N	>1,000	N
M2010C	N	200	100	N	50	N	>1,000	N
M2011C	N	1,000	100	N	20	N	>1,000	N
M2012C	N	<200	150	N	<20	N	1,000	N
M2013C	N	300	200	N	70	N	>1,000	N
M2014C	N	200	200	N	<20	N	1,000	N
M2015C	N	200	100	N	30	N	>1,000	N
M2016C	N	200	200	N	30	<500	>1,000	N
M2017C	N	<200	150	N	<20	N	70	N
M2018C	N	500	200	N	30	N	700	N
M2019C	N	200	300	N	30	N	500	N
M2020C	N	N	150	N	<20	N	30	N
M2021C	N	300	200	N	30	N	700	N
M2022C	N	<200	200	N	70	N	>1,000	N
M2023C	N	700	150	N	50	N	700	N
M2024C	N	>5,000	150	N	70	N	700	N
M2025C	N	<200	150	N	100	N	>1,000	N
M2026C	N	1,500	200	N	70	N	>1,000	N
M2027C	N	1,500	150	N	50	N	300	N
M2028C	N	500	200	N	300	N	>1,000	N
M2029C	N	700	150	N	150	N	1,000	N
M2030C	N	<200	150	N	100	N	300	N
M2031C	N	1,500	200	N	500	N	>1,000	<200
M2032C	50	700	200	N	100	N	>1,000	N
M2033C	50	700	150	N	700	N	>1,000	N
M2034C	N	700	150	N	700	N	>1,000	N
M2035C	300	<200	150	N	700	N	>1,000	N
M2036C	150	N	30	N	>2,000	N	>1,000	700
M2037C	70	<200	150	N	>2,000	N	>1,000	1,500
M2038C	100	3,000	50	<100	>2,000	N	>1,000	>2,000
M2039C	N	1,500	200	N	30	N	300	N
M2040C	N	500	30	N	70	N	>1,000	N
M2041C	100	N	150	300	>2,000	N	>1,000	700
M2042C	70	<200	150	N	>2,000	N	>1,000	<200
M2043C	50	5,000	100	N	2,000	N	>1,000	1,000
M2044C	N	1,000	200	N	100	N	>1,000	N
M2045C	N	<200	100	N	200	N	>1,000	N

Table 2.--Continued

Sample	Latitude	Longitude	Fe ²⁺ pct. s	Mg ²⁺ pct. s	Ca ²⁺ pct. s	Ti ²⁺ pct. s	Mn ²⁺ ppm s	Ag ²⁺ ppm s	As ²⁺ ppm s	Au-ppm s	B-ppm s	Ba-ppm s
M2046C	34 9 27	111 43 12	5.0	7.00	15.00	1.000	1,500	N	N	N	<20	700
M2047C	34 9 25	111 42 24	3.0	1.50	1.50	.500	1,000	N	N	N	150	2,000
M2048C	34 9 37	111 41 41	2.0	7.00	20.00	1.000	2,000	N	N	N	20	>5,000
M2049C	34 9 53	111 41 26	5.0	7.00	20.00	.500	2,000	N	N	N	<20	>5,000
M2050C	34 8 40	111 42 30	3.0	5.00	15.00	.500	1,500	N	N	N	<20	5,000
M2051C	34 8 27	111 43 13	5.0	7.00	20.00	.700	1,500	N	N	N	<20	1,000
M2052C	34 8 47	111 43 35	.7	1.50	10.00	.300	700	N	N	N	70	>5,000
M2053C	34 14 31	111 40 46	3.0	7.00	15.00	>1.000	5,000	N	N	N	70	>5,000
M2054C	34 14 16	111 39 59	5.0	5.00	20.00	1.000	1,500	N	N	N	100	1,500
M2055C	34 14 8	111 39 19	2.0	1.50	5.00	>1.000	1,000	N	<500	N	500	>5,000
M2056C	34 14 52	111 38 50	5.0	5.00	10.00	>1.000	1,000	N	N	N	70	1,000
M2057C	34 14 50	111 38 45	3.0	1.50	2.00	1.000	1,000	N	N	N	200	3,000
M2058C	34 13 32	111 37 52	3.0	1.50	10.00	>1.000	1,000	N	N	N	150	1,500
M2059C	34 13 30	111 37 48	3.0	1.00	15.00	>1.000	150	N	1,000	N	50	>5,000
M2060C	34 12 48	111 38 20	2.0	1.50	2.00	>1.000	700	N	N	N	100	1,500
M2061C	34 13 38	111 40 18	5.0	3.00	10.00	1.000	2,000	N	N	N	200	700
M2062C	34 13 25	111 40 42	5.0	5.00	15.00	.700	1,500	N	N	N	30	3,000
M2063C	34 11 51	111 40 3	3.0	5.00	15.00	.700	1,000	N	N	N	50	>5,000
M2064C	34 10 34	111 39 25	3.0	5.00	10.00	1.000	1,500	N	N	N	50	1,500
M2065C	34 10 34	111 40 3	2.0	7.00	20.00	.500	1,500	N	N	N	<20	200
M2066C	34 10 29	111 39 57	7.0	1.00	5.00	1.000	1,000	N	<500	N	20	700
M2067C	34 10 23	111 39 51	5.0	5.00	5.00	.700	1,000	N	N	N	70	1,000
M2068C	34 9 58	111 44 4	1.0	3.00	20.00	1.000	1,500	N	N	N	30	>5,000
M2069C	34 9 40	111 44 36	7.0	7.00	20.00	.700	1,500	N	N	N	<20	500
M2070C	34 12 44	111 43 37	3.0	7.00	15.00	>1.000	1,000	N	<500	N	20	500
M2071C	34 11 45	111 45 0	5.0	7.00	15.00	7.000	1,500	N	N	N	<20	700
M2072C	34 12 51	111 44 46	3.0	7.00	10.00	.200	1,000	N	N	N	<20	500
M2073C	34 14 32	111 44 53	2.0	5.00	15.00	.700	1,000	N	N	N	30	1,500
M2074C	34 8 2	111 43 45	1.0	2.00	>20.00	.700	1,000	N	N	N	70	5,000
M2075C	34 7 59	111 43 46	1.0	2.00	15.00	.700	700	N	N	N	30	2,000
M2076C	34 8 36	111 41 6	5.0	10.00	15.00	1.000	1,500	N	N	N	<20	100
M2077C	34 9 2	111 38 29	7.0	.20	<.10	>1.000	700	N	700	N	50	5,000
M2078C	34 9 16	111 39 22	7.0	2.00	3.00	<.005	1,000	N	<500	N	50	500
M2079C	34 8 5	111 39 14	5.0	5.00	10.00	>1.000	1,000	N	N	N	50	500
M2080C	34 7 57	111 39 12	2.0	5.00	10.00	1.000	1,000	N	<500	N	20	150
M2081C	34 7 52	111 40 45	7.0	1.50	3.00	>1.000	>5,000	N	<500	N	20	>5,000
M2082C	34 7 55	111 40 46	2.0	5.00	10.00	.500	1,000	N	N	N	<20	500
M2083C	34 11 22	111 35 39	3.0	3.00	7.00	.700	1,500	N	N	N	70	1,500
M2084C	34 10 51	111 36 56	3.0	7.00	10.00	>1.000	1,000	N	N	N	50	500
M2085C	34 11 14	111 35 23	3.0	3.00	5.00	.500	1,000	N	N	N	700	1,000
M2086C	34 12 32	111 35 32	2.0	1.00	7.00	.700	700	N	N	N	100	700
M2087C	34 13 41	111 36 26	2.0	3.00	10.00	>1.000	1,000	N	N	N	50	500
M2088C	34 13 9	111 34 46	3.0	.50	7.00	>1.000	1,500	N	N	N	70	5,000
M2089C	34 12 46	111 34 55	5.0	.70	3.00	1.000	1,000	N	N	N	100	3,000
M2090C	34 12 22	111 33 18	3.0	1.50	5.00	.500	1,000	N	<500	N	2,000	>5,000

Table 2.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
M2046C	N	N	N	70	>5,000	70	50	N	<50	300	70	N	>100
M2047C	<2	N	N	<10	700	50	100	N	50	<10	70	N	100
M2048C	<2	N	N	15	3,000	30	150	N	<50	200	20	N	>100
M2049C	N	N	N	15	>5,000	30	50	N	N	200	20	N	>100
M2050C	<2	N	N	30	5,000	30	30	N	N	200	50	N	70
M2051C	N	N	N	30	2,000	30	30	N	N	300	70	N	>100
M2052C	3	N	N	<10	1,000	10	100	N	N	50	70	N	>100
M2053C	<2	N	N	70	1,500	100	300	N	150	150	100	N	70
M2054C	<2	N	N	10	1,500	30	<50	N	N	50	100	N	30
M2055C	N	N	N	<10	700	70	70	N	<50	50	500	N	70
M2056C	N	N	N	20	1,500	30	200	N	100	150	100	N	100
M2057C	<2	N	N	<10	1,500	30	100	N	<50	30	200	N	100
M2058C	N	N	N	<10	300	30	50	N	100	<10	70	N	>100
M2059C	20	70	N	<10	150	200	200	N	300	70	500	N	150
M2060C	<2	N	N	<10	1,000	10	70	N	70	50	150	N	70
M2061C	150	N	N	20	1,000	50	200	N	70	100	150	N	50
M2062C	N	N	N	10	>5,000	20	100	N	<50	150	70	N	70
M2063C	3	N	N	<10	3,000	10	300	N	50	150	70	N	70
M2064C	<2	N	N	10	500	20	100	N	100	100	200	N	70
M2065C	N	N	N	20	5,000	<10	50	N	N	150	<20	N	70
M2066C	5	N	N	10	>5,000	50	300	N	100	50	150	N	30
M2067C	5	N	N	<10	5,000	<10	200	N	70	100	50	N	70
M2068C	10	N	N	<10	300	20	150	N	100	50	70	N	100
M2069C	N	N	N	30	>5,000	30	<50	N	N	500	<20	N	100
M2070C	<2	N	N	30	5,000	15	70	N	150	200	70	N	>100
M2071C	N	N	N	50	>5,000	50	<50	N	N	300	70	N	70
M2072C	N	N	N	15	>5,000	<10	<50	N	N	200	<20	N	50
M2073C	N	N	N	10	>5,000	20	50	N	N	200	<20	N	70
M2074C	15	N	N	N	700	15	150	15	N	50	150	N	>100
M2075C	5	N	N	<10	1,000	<10	200	N	<50	70	70	N	>100
M2076C	<2	N	N	50	1,000	50	70	N	<50	300	70	N	100
M2077C	3	N	N	<10	100	10	100	N	100	<10	150	N	70
M2078C	5	N	N	N	700	30	100	15	200	70	150	N	30
M2079C	3	N	N	<10	3,000	30	150	<10	200	100	150	N	70
M2080C	<2	N	N	15	3,000	15	70	N	100	100	70	N	70
M2081C	5	N	N	<10	1,000	50	100	10	100	70	150	N	30
M2082C	N	N	N	15	>5,000	15	50	N	N	150	<20	N	70
M2083C	N	N	N	<10	2,000	20	50	N	N	70	50	N	50
M2084C	3	N	N	<10	5,000	30	100	N	200	150	150	N	70
M2085C	<2	N	N	10	1,500	30	100	N	<50	70	300	N	50
M2086C	N	N	N	<10	300	70	100	N	N	50	50	N	30
M2087C	N	N	N	<10	2,000	20	100	N	N	50	20	N	70
M2088C	N	N	N	10	300	50	100	N	100	<10	70	N	>100
M2089C	5	N	N	10	200	50	100	N	70	30	150	N	30
M2090C	N	1,000	N	10	1,000	150	100	N	N	70	2,000	N	50

Table 2.---Continued

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
M2046C	N	200	200	N	300	N	>1,000	N
M2047C	300	<200	100	N	500	N	>1,000	N
M2048C	N	2,000	150	N	700	N	>1,000	N
M2049C	N	1,000	300	N	200	500	>1,000	N
M2050C	N	1,000	150	N	100	N	>1,000	N
M2051C	N	200	200	<100	100	N	>1,000	N
M2052C	N	<200	100	N	>2,000	N	>1,000	<200
M2053C	30	2,000	150	N	700	N	>1,000	N
M2054C	700	700	300	N	100	N	1,000	N
M2055C	>1,000	700	150	N	200	N	>1,000	N
M2056C	N	3,000	200	N	300	N	>1,000	N
M2057C	N	<200	200	N	200	N	>1,000	N
M2058C	N	1,500	100	N	700	N	>1,000	N
M2059C	N	N	500	N	>2,000	N	>1,000	1,500
M2060C	700	<200	100	N	500	N	>1,000	N
M2061C	<20	500	200	N	500	N	1,000	N
M2062C	N	N	150	N	500	N	1,000	N
M2063C	20	700	100	N	700	N	>1,000	N
M2064C	500	N	300	N	1,500	N	>1,000	N
M2065C	N	700	150	N	70	N	700	N
M2066C	70	300	150	N	1,000	N	>1,000	N
M2067C	300	<200	150	N	700	N	>1,000	N
M2068C	50	<200	100	N	>2,000	N	>1,000	1,000
M2069C	N	<200	300	N	100	N	700	N
M2070C	70	<200	150	<100	700	N	>1,000	500
M2071C	N	200	200	N	50	N	1,000	N
M2072C	N	<200	150	N	20	N	150	N
M2073C	N	200	150	N	150	N	300	N
M2074C	<20	N	70	<100	>2,000	N	>1,000	500
M2075C	<20	<200	70	N	1,500	N	>1,000	500
M2076C	150	<200	300	N	300	N	>1,000	N
M2077C	1,000	<200	20	N	>2,000	N	>1,000	N
M2078C	200	N	150	<100	1,000	N	>1,000	N
M2079C	70	N	150	<100	1,000	N	>1,000	N
M2080C	50	<200	100	N	500	N	>1,000	N
M2081C	70	N	150	<100	1,500	N	>1,000	N
M2082C	200	<200	150	N	200	N	>1,000	N
M2083C	N	700	150	N	100	N	1,000	N
M2084C	200	N	150	N	1,000	N	>1,000	N
M2085C	>1,000	300	150	N	200	N	>1,000	N
M2086C	N	200	150	N	300	N	>1,000	N
M2087C	100	<200	150	N	300	N	>1,000	N
M2088C	N	1,000	100	N	300	N	>1,000	N
M2089C	N	500	150	N	300	N	>1,000	N
M2090C	>1,000	1,000	300	N	100	N	>1,000	N

Table 2.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
M2091C	34 13 34	111 32 43	7.0	3.00	1.00	.500	3,000	N	N	N	>2,000	1,000
M2092C	34 14 30	111 33 7	3.0	5.00	15.00	.300	1,000	N	N	N	<20	200
M2093C	34 14 38	111 33 21	5.0	3.00	20.00	.500	1,500	N	N	N	<20	200
M2094C	34 14 37	111 33 37	7.0	7.00	>20.00	.700	2,000	N	N	N	<20	200
M2095C	34 14 25	111 33 46	3.0	3.00	10.00	.700	1,000	N	N	N	500	2,000
M2096C	34 14 49	111 34 21	5.0	7.00	20.00	.700	1,500	N	N	N	<20	300
M2097C	34 12 55	111 30 55	5.0	2.00	7.00	.200	1,500	N	N	N	50	2,000
M2098C	34 11 39	111 41 25	3.0	2.00	15.00	>1.000	1,500	N	N	N	100	2,000
M2099C	34 14 18	111 31 35	5.0	7.00	20.00	.500	1,500	N	N	N	<20	100
M2100C	34 14 15	111 31 29	3.0	5.00	15.00	.500	1,000	N	N	N	20	700
M2101C	34 13 43	111 30 29	20.0	1.50	7.00	.700	1,000	N	N	N	100	3,000
M2102C	34 12 49	111 29 1	3.0	5.00	10.00	.200	1,000	5.0	N	N	<20	>5,000
M2103C	34 14 39	111 34 55	5.0	1.50	10.00	1.000	1,000	3.0	1,500	N	1,000	>5,000
M2104C	34 13 14	111 31 58	7.0	1.50	15.00	1.000	2,000	N	N	N	100	>5,000
M2105C	34 13 18	111 31 42	2.0	1.50	7.00	.700	1,000	N	N	N	100	>5,000
M2106C	34 12 43	111 30 15	10.0	3.00	20.00	.500	1,000	N	N	N	100	700
M2107C	34 14 5	111 29 6	1.0	2.00	7.00	1.000	700	N	N	N	20	>5,000
M2108C	34 14 22	111 29 4	3.0	5.00	15.00	1.000	500	N	N	N	30	200
M2109C	34 15 1	111 28 47	3.0	10.00	20.00	>1.000	2,000	N	N	N	<20	>5,000
M2110C	34 15 6	111 28 44	5.0	3.00	7.00	.700	1,000	N	N	N	70	>5,000
M2111C	34 15 35	111 28 53	10.0	7.00	>20.00	1.000	2,000	N	N	N	<20	500
M2112C	34 16 16	111 27 46	2.0	3.00	7.00	>1.000	700	N	N	N	70	>5,000
M2113C	34 16 57	111 27 48	5.0	1.00	3.00	>1.000	2,000	N	N	N	50	>5,000
M2114C	34 15 32	111 37 1	7.0	1.50	5.00	>1.000	2,000	N	N	N	70	>5,000
M2115C	34 15 37	111 36 51	7.0	1.50	3.00	.700	1,000	N	N	N	100	>5,000
M2116C	34 15 31	111 35 54	7.0	7.00	20.00	.500	1,500	N	N	N	<20	100
M2117C	34 15 15	111 36 0	5.0	3.00	10.00	>1.000	1,000	N	N	N	150	>5,000
M2118C	34 15 58	111 36 23	5.0	7.00	20.00	.500	1,000	N	N	N	<20	500
M2119C	34 16 13	111 36 6	5.0	2.00	15.00	>1.000	3,000	N	N	N	100	>5,000
M2120C	34 16 33	111 35 13	5.0	5.00	15.00	.300	1,000	N	N	N	<20	200
M2121C	34 16 22	111 35 9	7.0	7.00	>20.00	.700	1,500	N	N	N	<20	100
M2122C	34 16 30	111 34 31	3.0	5.00	15.00	.300	1,500	N	N	N	<20	1,000
M2123C	34 16 35	111 33 53	5.0	7.00	20.00	.500	1,500	N	N	N	<20	100
M2124C	34 16 42	111 32 44	5.0	7.00	>20.00	.700	2,000	N	N	N	<20	200
M2125C	34 16 55	111 32 16	5.0	7.00	15.00	.700	1,000	N	N	N	<20	200
M2126C	34 16 25	111 32 16	7.0	10.00	>20.00	.700	2,000	N	N	N	<20	200
M2127C	34 17 54	111 31 55	3.0	5.00	15.00	.300	1,000	N	N	N	<20	300
M2128C	34 18 22	111 32 42	7.0	5.00	15.00	.700	1,500	N	N	N	<20	3,000
M2129C	34 19 15	111 32 37	5.0	7.00	20.00	.700	2,000	N	N	N	<20	100
M2130C	34 20 1	111 33 10	3.0	7.00	15.00	.700	1,000	N	N	N	<20	300
M2131C	34 20 0	111 33 14	7.0	7.00	15.00	.500	1,500	N	N	N	<20	100
M2132C	34 20 49	111 32 4	3.0	5.00	10.00	.500	1,500	N	N	N	<20	200
M2133C	34 19 57	111 31 52	5.0	7.00	15.00	.300	1,500	N	N	N	<20	150
M2134C	34 19 56	111 31 45	5.0	7.00	>20.00	.500	2,000	N	N	N	<20	200
M2135C	34 19 18	111 31 44	3.0	5.00	10.00	.300	1,000	N	N	N	<20	200

Table 2.---Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
MZ091C	<2	N	N	30	700	50	70	N	N	70	500	N	70
MZ092C	N	N	N	20	3,000	10	<50	N	N	150	N	N	100
MZ093C	N	N	N	30	2,000	<10	<50	N	N	150	N	N	100
MZ094C	N	N	N	50	>5,000	15	<50	N	N	100	<20	N	>100
MZ095C	N	N	N	10	5,000	30	300	N	N	150	100	N	70
MZ096C	N	N	N	50	5,000	15	30	N	N	150	30	N	100
MZ097C	N	N	N	<10	1,500	150	<50	N	N	50	500	N	30
MZ098C	<2	N	N	N	2,000	20	150	N	100	70	50	N	70
MZ099C	N	N	N	30	>5,000	10	<50	N	N	150	<20	N	100
MZ100C	N	N	N	15	5,000	15	50	N	N	50	<20	N	70
MZ101C	<2	N	N	30	300	70	100	N	N	50	100	N	50
MZ102C	N	N	N	15	>5,000	100	<50	N	N	200	2,000	N	70
MZ103C	<2	20	100	10	1,000	7,000	200	<10	70	50	>20,000	N	50
MZ104C	N	N	N	<10	500	10,000	50	N	<50	<10	10,000	N	70
MZ105C	N	N	N	<10	300	70	70	N	N	150	200	N	70
MZ106C	N	N	N	20	700	70	50	N	N	70	50	N	100
MZ107C	N	N	N	<10	1,500	<10	70	N	N	50	70	N	100
MZ108C	N	N	N	30	>5,000	70	30	N	N	150	200	N	>100
MZ109C	N	N	N	50	5,000	70	30	N	N	200	50	N	>100
MZ110C	N	N	N	15	5,000	15	70	N	N	<10	20	N	50
MZ111C	N	N	N	70	>5,000	70	50	N	N	300	30	N	100
MZ112C	N	N	N	<10	3,000	20	100	N	50	100	150	N	100
MZ113C	N	N	N	<10	500	70	50	N	100	50	70	N	70
MZ114C	N	N	N	10	1,000	50	50	N	<50	50	100	N	20
MZ115C	<2	N	N	10	500	20	100	N	N	70	30	N	50
MZ116C	N	N	N	30	>5,000	30	30	N	N	200	20	N	100
MZ117C	N	N	N	15	1,500	30	70	N	<50	70	70	N	100
MZ118C	N	N	N	30	>5,000	30	<50	N	N	200	50	N	100
MZ119C	<2	N	N	10	1,500	150	70	N	50	50	300	N	70
MZ120C	N	N	N	20	>5,000	<10	<50	N	N	100	N	N	70
MZ121C	N	N	N	30	>5,000	30	30	N	N	300	20	N	>100
MZ122C	N	N	N	10	>5,000	15	<50	N	N	150	N	N	100
MZ123C	N	N	N	20	>5,000	15	<50	N	N	200	<20	N	100
MZ124C	N	N	N	30	>5,000	20	<50	N	N	200	<20	N	100
MZ125C	N	N	N	30	>5,000	<10	<50	N	N	100	N	N	70
MZ126C	N	N	N	50	3,000	20	30	N	N	150	20	N	>100
MZ127C	N	N	N	15	>5,000	10	<50	N	N	200	N	N	100
MZ128C	N	N	N	20	5,000	10	<50	N	N	150	<20	N	100
MZ129C	N	N	N	30	>5,000	15	<50	N	N	150	<20	N	100
MZ130C	N	N	N	20	>5,000	<10	<50	N	N	70	N	N	70
MZ131C	N	N	N	50	>5,000	20	30	N	N	300	20	N	100
MZ132C	N	N	N	20	>5,000	10	<50	N	N	200	N	N	70
MZ133C	N	N	N	20	5,000	10	<50	N	N	150	50	N	70
MZ134C	N	N	N	20	>5,000	20	<50	N	N	200	N	N	100
MZ135C	N	N	N	10	>5,000	<10	<50	N	N	100	N	N	50

Table 2.--Continued

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
MZ091C	700	700	500	N	70	N	>1,000	N
MZ092C	N	<200	200	N	20	N	300	N
MZ093C	N	200	200	N	20	N	300	N
MZ094C	N	200	500	N	50	N	150	N
MZ095C	<20	300	200	N	100	N	>1,000	N
MZ096C	N	200	500	N	30	N	150	N
MZ097C	N	700	300	N	100	N	300	N
MZ098C	20	N	100	N	700	N	>1,000	N
MZ099C	N	200	300	N	20	N	100	N
MZ100C	N	200	200	N	30	N	>1,000	N
MZ101C	N	700	300	N	150	N	1,000	N
MZ102C	100	<200	200	N	50	N	>1,000	N
MZ103C	>1,000	700	>10,000	N	200	1,500	>1,000	<200
MZ104C	N	700	1,500	N	150	N	>1,000	N
MZ105C	N	300	200	N	100	N	>1,000	N
MZ106C	N	1,000	700	N	70	N	700	N
MZ107C	N	<200	70	N	200	N	>1,000	N
MZ108C	20	200	200	N	100	N	>1,000	N
MZ109C	N	200	300	N	150	N	>1,000	N
MZ110C	N	700	200	N	70	N	700	N
MZ111C	N	700	500	N	50	N	200	N
MZ112C	N	1,000	100	N	300	N	>1,000	N
MZ113C	150	200	200	N	300	N	>1,000	N
MZ114C	N	700	300	N	100	N	1,000	N
MZ115C	N	<200	150	N	100	N	>1,000	N
MZ116C	N	200	300	N	30	N	500	N
MZ117C	N	700	150	N	300	N	>1,000	N
MZ118C	N	200	300	N	30	N	300	N
MZ119C	N	1,500	200	N	700	N	>1,000	N
MZ120C	N	N	200	N	<20	N	150	N
MZ121C	N	200	300	N	50	N	1,000	N
MZ122C	N	<200	150	N	20	N	300	N
MZ123C	N	<200	200	N	20	N	200	N
MZ124C	N	200	300	N	30	N	150	N
MZ125C	N	200	200	N	<20	N	70	N
MZ126C	N	200	500	N	30	N	200	N
MZ127C	N	<200	150	N	20	N	50	N
MZ128C	N	<200	200	N	<20	N	100	N
MZ129C	N	200	300	N	30	N	300	N
MZ130C	N	200	200	N	<20	N	150	N
MZ131C	N	N	500	N	20	N	200	N
MZ132C	N	<200	150	N	<20	N	100	N
MZ133C	N	<200	200	N	<20	N	100	N
MZ134C	N	<200	200	N	20	N	150	N
MZ135C	N	200	150	N	<20	N	300	N

Table 2.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	AU-ppm s	B-ppm s	Ba-ppm s
MZ136C	34 19 4	111 30 31	7.0	7.00	20.00	.500	1,500	N	N	N	<20	200
MZ137C	34 15 33	111 30 20	5.0	7.00	15.00	.500	1,500	N	N	N	<20	150
MZ138C	34 16 33	111 29 14	7.0	5.00	15.00	1.000	1,500	N	N	N	<20	300
MZ139C	34 16 43	111 29 30	5.0	10.00	>20.00	.500	2,000	N	N	N	<20	200
MZ140C	34 17 16	111 30 15	3.0	5.00	10.00	.700	1,000	N	N	N	<20	700
MZ141C	34 17 32	111 30 42	10.0	7.00	20.00	.700	1,500	N	N	N	<20	200
MZ142C	34 18 29	111 30 48	3.0	5.00	10.00	.500	1,000	N	N	N	<20	700
MZ143C	34 18 25	111 29 36	7.0	7.00	15.00	.700	1,500	N	N	N	<20	300
MZ144C	34 17 57	111 29 11	5.0	3.00	10.00	>1.000	2,000	N	N	N	70	>5,000
MZ145C	34 18 41	111 28 22	3.0	7.00	15.00	.500	1,000	N	N	N	<20	200
MZ146C	34 18 40	111 28 25	5.0	7.00	20.00	.700	1,500	N	N	N	<20	100
MZ147C	34 16 3	111 28 43	5.0	3.00	15.00	.500	1,000	N	N	N	<20	150
MZ148C	34 19 38	111 28 8	7.0	7.00	20.00	.700	1,000	N	N	N	<20	150
MZ149C	34 17 35	111 28 31	5.0	1.00	15.00	>1.000	1,000	N	N	N	50	>5,000
MZ150C	34 17 55	111 28 36	5.0	3.00	7.00	.500	1,000	N	N	N	<20	500
MZ152C	34 17 33	111 27 4	5.0	5.00	7.00	.700	1,000	N	N	N	50	2,000
MZ153C	34 11 50	111 28 35	3.0	5.00	10.00	.700	1,000	N	N	N	<20	>5,000
MZ154C	34 11 57	111 27 38	5.0	1.00	10.00	>1.000	1,000	N	N	N	50	>5,000
MZ155C	34 11 24	111 28 52	1.0	1.50	3.00	>1.000	700	N	1,000	N	150	>5,000
MZ156C	34 17 0	111 35 19	5.0	7.00	20.00	.500	2,000	N	N	N	<20	100
MZ157C	34 17 35	111 34 59	5.0	5.00	10.00	.300	1,500	N	N	N	<20	150
MZ158C	34 18 14	111 35 23	2.0	5.00	15.00	.200	1,000	N	N	N	<20	3,000
MZ159C	34 17 32	111 35 4	5.0	7.00	>20.00	.500	1,000	N	N	N	<20	1,500
MZ160C	34 19 9	111 35 43	3.0	7.00	15.00	.300	1,000	N	N	N	50	2,000
MZ161C	34 18 22	111 35 6	5.0	7.00	20.00	.500	1,500	N	N	N	<20	100
MZ162C	34 22 14	111 34 55	2.0	5.00	10.00	.300	1,000	N	N	N	20	100
MZ163C	34 17 57	111 36 26	1.5	5.00	15.00	.300	1,000	N	N	N	<20	1,500
MZ164C	34 22 10	111 34 53	7.0	10.00	>20.00	1.000	1,500	N	N	N	<20	700
MZ165C	34 20 56	111 36 32	2.0	7.00	10.00	.300	1,000	N	N	N	<20	700
MZ166C	34 21 52	111 36 30	5.0	7.00	20.00	.200	1,500	N	N	N	<20	100
MZ167C	34 22 5	111 36 2	1.5	5.00	10.00	.200	1,000	N	N	N	<20	100
MZ168C	34 15 7	111 44 38	2.0	5.00	15.00	.200	1,000	N	N	N	<20	200
MZ169C	34 19 19	111 36 41	5.0	7.00	>20.00	.500	1,500	N	N	N	<20	300
MZ170C	34 12 5	111 29 44	3.0	1.50	7.00	1.000	1,000	N	N	N	70	>5,000
MZ171C	34 16 8	111 44 35	5.0	7.00	15.00	>1.000	1,000	N	N	N	70	1,000
MZ172C	34 12 3	111 29 49	5.0	3.00	7.00	.500	1,000	N	N	N	70	>5,000
MZ173C	34 10 52	111 31 5	7.0	.50	7.00	.700	2,000	N	<500	N	70	1,000
MZ174C	34 11 14	111 32 37	7.0	2.00	20.00	.700	2,000	N	N	N	30	1,500
MZ175C	34 11 35	111 33 53	5.0	1.50	2.00	.700	2,000	N	<500	N	>2,000	>5,000
MZ176C	34 11 36	111 34 50	5.0	3.00	10.00	>1.000	1,500	N	<500	N	150	1,000
MZ177C	34 10 23	111 35 8	7.0	.20	.20	.700	1,000	N	<500	N	100	1,000
MZ178C	34 10 48	111 35 21	5.0	2.00	3.00	>1.000	700	N	500	N	100	300
MZ179C	34 9 29	111 34 30	3.0	1.00	10.00	>1.000	1,000	N	N	N	200	1,500
MZ180C	34 8 57	111 34 40	7.0	.20	.15	>1.000	700	N	500	N	500	1,000
MZ181C	34 8 34	111 33 32	7.0	.30	.15	>1.000	1,000	N	<500	N	50	1,500

Table 2.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
MZ136C	N	N	N	50	>5,000	20	<50	N	N	200	20	N	100
MZ137C	N	N	N	30	5,000	10	<50	N	N	150	N	N	100
MZ138C	N	N	N	50	>5,000	20	30	N	N	200	70	N	100
MZ139C	N	N	N	20	>5,000	30	<50	N	N	200	N	N	100
MZ140C	N	N	N	15	>5,000	30	<50	N	N	100	N	N	50
MZ141C	N	N	N	70	>5,000	70	<50	N	N	300	20	N	100
MZ142C	N	N	N	15	>5,000	15	<50	N	N	200	N	N	70
MZ143C	N	N	N	30	>5,000	20	30	N	N	300	<20	N	100
MZ144C	N	N	N	10	1,500	70	70	N	70	70	70	N	>100
MZ145C	N	N	N	20	>5,000	<10	<50	N	N	150	N	N	70
MZ146C	N	N	N	30	5,000	20	50	N	N	200	20	N	100
MZ147C	N	N	N	15	5,000	20	<50	N	N	200	N	N	>100
MZ148C	N	N	N	50	>5,000	15	30	N	N	300	20	N	>100
MZ149C	N	N	N	10	200	70	100	N	50	<10	70	N	100
MZ150C	N	N	N	10	5,000	10	100	N	N	50	20	N	50
MZ152C	N	N	N	10	>5,000	20	70	N	50	150	20	N	100
MZ153C	N	N	N	20	>5,000	20	50	N	N	200	50	N	100
MZ154C	N	N	N	10	300	20	100	N	<50	<10	70	N	100
MZ155C	N	N	N	<10	1,000	300	500	N	<50	200	70	N	>100
MZ156C	N	N	N	50	>5,000	20	<50	N	N	200	<20	N	100
MZ157C	N	N	N	30	>5,000	20	<50	N	N	200	N	N	100
MZ158C	N	N	N	15	>5,000	20	<50	N	N	150	N	N	100
MZ159C	N	N	N	20	>5,000	15	<50	N	N	200	<20	N	100
MZ160C	N	N	N	30	>5,000	30	<50	N	N	200	<20	N	70
MZ161C	N	N	N	50	>5,000	15	30	N	N	200	30	N	100
MZ162C	N	N	N	20	>5,000	<10	<50	N	N	150	N	N	70
MZ163C	N	N	N	10	5,000	<10	<50	N	N	150	N	N	100
MZ164C	N	N	N	30	>5,000	15	<50	N	N	200	N	N	100
MZ165C	N	N	N	15	>5,000	10	<50	N	N	<10	N	N	70
MZ166C	N	N	N	30	>5,000	15	<50	N	N	200	20	N	100
MZ167C	N	N	N	10	>5,000	<10	<50	N	N	200	N	N	70
MZ168C	N	N	N	15	>5,000	15	<50	N	N	200	N	N	100
MZ169C	N	N	N	20	>5,000	70	<50	N	N	300	N	N	100
MZ170C	N	N	N	10	700	300	30	N	<50	<10	2,000	N	30
MZ171C	N	N	N	20	>5,000	50	100	N	100	150	30	N	100
MZ172C	N	N	N	15	3,000	700	50	70	N	50	7,000	N	70
MZ173C	2	N	N	<10	200	150	150	N	100	<10	150	N	30
MZ174C	<2	N	N	15	300	20	50	N	50	<10	N	N	50
MZ175C	<2	N	N	10	1,000	50	50	N	N	50	150	N	50
MZ176C	N	N	N	20	5,000	50	70	N	50	100	150	N	>100
MZ177C	<2	N	N	<10	200	20	150	N	50	<10	100	N	20
MZ178C	5	20	N	<10	1,500	15	100	N	300	70	100	N	70
MZ179C	N	N	N	<10	500	30	<50	N	70	50	50	N	>100
MZ180C	7	N	N	<10	100	70	300	N	150	<10	150	N	70
MZ181C	3	N	N	N	200	20	100	N	100	<10	150	N	30

Table 2.--Continued

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
MZ136C	N	200	300	N	20	N	70	N
MZ137C	N	<200	200	N	20	N	300	N
MZ138C	N	<200	200	N	70	N	150	N
MZ139C	N	200	200	N	20	N	100	N
MZ140C	N	300	150	N	20	N	300	N
MZ141C	N	200	300	N	30	N	300	N
MZ142C	N	<200	150	N	<20	N	700	N
MZ143C	N	200	200	N	70	N	700	N
MZ144C	1,000	5,000	100	N	700	N	>1,000	N
MZ145C	N	<200	150	N	<20	N	20	N
MZ146C	N	200	200	N	50	N	200	N
MZ147C	N	<200	150	N	70	N	>1,000	N
MZ148C	N	200	200	N	20	N	100	N
MZ149C	700	5,000	150	N	300	N	>1,000	N
MZ150C	30	1,500	150	N	100	N	>1,000	N
MZ152C	N	<200	150	N	200	N	>1,000	N
MZ153C	N	1,500	100	N	150	N	>1,000	N
MZ154C	1,000	3,000	100	N	300	N	>1,000	N
MZ155C	N	3,000	70	N	700	N	>1,000	N
MZ156C	N	N	300	N	30	N	300	N
MZ157C	N	<200	200	N	<20	N	200	N
MZ158C	N	200	100	N	<20	N	200	N
MZ159C	N	200	200	N	30	N	700	N
MZ160C	N	200	150	N	20	N	300	N
MZ161C	N	<200	300	N	20	N	150	N
MZ162C	N	<200	150	N	<20	N	500	N
MZ163C	N	200	100	N	<20	N	300	N
MZ164C	N	200	300	N	30	N	200	N
MZ165C	N	<200	150	N	N	N	150	N
MZ166C	N	<200	200	N	20	N	700	N
MZ167C	N	<200	100	N	<20	N	200	N
MZ168C	N	500	150	N	20	N	700	N
MZ169C	N	200	200	N	30	N	300	N
MZ170C	N	1,000	300	N	70	N	>1,000	N
MZ171C	500	700	200	N	150	N	>1,000	N
MZ172C	N	1,500	1,000	N	50	N	1,000	N
MZ173C	30	<200	100	N	500	N	>1,000	N
MZ174C	N	700	200	N	200	N	1,000	N
MZ175C	>1,000	700	70	N	100	N	>1,000	N
MZ176C	700	700	150	N	500	N	>1,000	N
MZ177C	20	<200	20	N	500	N	1,000	N
MZ178C	30	<200	150	N	>2,000	N	>1,000	300
MZ179C	N	700	150	N	700	N	>1,000	N
MZ180C	700	<100	20	N	1,500	N	>1,000	<200
MZ181C	500	N	20	N	1,000	N	>1,000	N

Table 2.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppt s	Ag-ppt s	As-ppt s	Au-ppt s	B-ppt s	Ba-ppt s
MZ182C	34 7 9	111 43 22	2.0	5.00	10.00	.300	1,000	N	N	N	<20	>5,000
MZ183C	34 7 10	111 42 41	3.0	7.00	15.00	.500	1,500	N	N	N	<20	100
MZ184C	34 6 37	111 43 19	1.5	3.00	20.00	>1.000	1,000	N	N	N	<20	300
MZ185C	34 6 32	111 42 8	3.0	7.00	10.00	.500	700	N	N	N	20	200
MZ186C	34 6 19	111 41 36	7.0	7.00	15.00	1.000	1,000	N	N	N	30	2,000
MZ187C	34 6 14	111 40 45	3.0	5.00	10.00	1.000	1,000	N	N	N	20	>5,000
MZ188C	34 6 24	111 40 52	2.0	5.00	10.00	.700	1,500	N	N	N	50	3,000
MZ189C	34 6 0	111 40 5	3.0	5.00	20.00	>1.000	1,500	N	N	N	100	700
MZ190C	34 7 6	111 39 11	5.0	1.50	2.00	.700	700	N	500	N	150	1,000
MZ191C	34 8 8	111 33 4	1.0	.30	.05	>1.000	700	N	2,000	N	150	>5,000
MZ192C	34 8 14	111 33 7	2.0	1.50	3.00	>1.000	1,500	7.0	N	N	50	300
MZ193C	34 8 14	111 33 33	1.0	2.00	15.00	.500	700	N	N	N	50	5,000
MZ194C	34 9 51	111 33 8	3.0	.20	.15	1.000	1,000	5.0	500	N	30	500
MZ195C	34 8 21	111 34 17	3.0	3.00	7.00	.700	1,000	N	N	N	100	1,500
MZ196C	34 8 47	111 31 20	3.0	.20	.05	>1.000	1,000	N	N	N	100	1,000
MZ197C	34 8 41	111 31 17	3.0	2.00	2.00	1.000	700	N	N	N	<20	500
MZ198C	34 8 37	111 31 16	.2	.05	.10	.200	100	N	<500	N	<20	1,500
MZ199C	34 9 29	111 32 34	7.0	.20	.15	>1.000	3,000	N	500	N	100	2,000
MZ200C	34 10 9	111 33 32	7.0	.30	.30	>1.000	700	N	500	N	100	700
MZ201C	34 12 1	111 36 36	7.0	2.00	10.00	>1.000	1,500	N	<500	N	100	500
MZ202C	34 12 5	111 36 41	.7	1.00	7.00	1.000	300	N	N	N	100	>5,000
MZ203C	34 5 26	111 43 14	.5	3.00	7.00	.700	1,000	N	N	N	<20	100
MZ204C	34 5 48	111 43 50	5.0	7.00	>20.00	.700	2,000	N	N	N	<20	100
MZ205C	34 6 18	111 44 16	2.0	7.00	10.00	.200	1,000	N	N	N	<20	200
MZ206C	34 6 55	111 44 42	5.0	7.00	20.00	.500	1,500	N	N	N	30	5,000
MZ207C	34 6 36	111 45 7	2.0	5.00	7.00	1.000	1,000	N	N	N	<20	500
MZ208C	34 7 38	111 45 44	2.0	7.00	15.00	.500	1,000	N	N	N	30	1,000
MZ209C	34 7 40	111 46 3	3.0	10.00	>20.00	>1.000	2,000	N	N	N	<20	150
MZ210C	34 7 36	111 46 3	2.0	5.00	15.00	.500	1,000	N	N	N	<20	2,000
MZ211C	34 11 2	111 45 28	3.0	7.00	20.00	.500	2,000	N	N	N	30	>5,000
MZ212C	34 11 19	111 45 15	3.0	5.00	10.00	>1.000	1,000	N	N	N	150	500
MZ213C	34 7 2	111 38 27	3.0	3.00	7.00	>1.000	1,000	N	<500	<20	30	700
MZ214C	34 7 6	111 38 35	7.0	3.00	15.00	>1.000	1,000	N	<500	<20	20	150
MZ215C	34 6 21	111 39 31	5.0	5.00	10.00	1.000	1,000	N	N	N	20	>5,000
MZ216C	34 6 17	111 39 9	10.0	10.00	20.00	1.000	1,500	N	N	N	20	1,500
MZ217C	34 6 6	111 38 42	5.0	7.00	10.00	.700	1,000	N	N	N	<20	700
MZ218C	34 6 11	111 37 39	3.0	5.00	10.00	.700	1,000	N	N	N	<20	2,000
MZ219C	34 6 16	111 37 41	7.0	7.00	20.00	1.000	1,500	N	N	N	<20	100
MZ220C	34 4 44	111 38 2	5.0	7.00	10.00	.500	1,000	N	N	N	<20	500
MZ221C	34 4 38	111 38 9	10.0	7.00	20.00	1.000	2,000	N	N	N	<20	200
MZ222C	34 4 55	111 38 13	3.0	5.00	10.00	.500	1,000	N	N	N	20	100
MZ223C	34 5 54	111 39 40	2.0	3.00	7.00	.300	1,000	N	N	N	<20	100
MZ224C	34 5 12	111 41 13	5.0	7.00	20.00	.700	1,500	N	N	N	<20	100
MZ225C	34 4 2	111 41 42	2.0	7.00	10.00	.300	1,000	N	N	N	<20	500
MZ226C	34 4 10	111 41 39	5.0	7.00	20.00	.700	1,500	N	N	N	<20	500

Table 2.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
MZ182C	N	N	N	<10	>5,000	<10	<50	N	N	150	<20	N	70
MZ183C	N	N	N	30	>5,000	15	30	N	N	200	<20	N	70
MZ184C	5	N	N	<10	2,000	<10	200	N	50	70	70	N	>100
MZ185C	N	N	N	15	>5,000	<10	30	N	N	200	<20	N	100
MZ186C	<2	N	N	70	>5,000	30	100	N	70	300	<20	N	>100
MZ187C	<2	N	N	10	5,000	20	100	N	<50	150	50	N	>100
MZ188C	<2	N	N	10	3,000	50	50	N	50	150	70	N	70
MZ189C	<2	N	N	10	5,000	50	100	N	70	100	100	N	100
MZ190C	2	N	N	<10	1,500	50	50	N	100	50	100	N	20
MZ191C	50	N	N	N	200	300	>1,000	N	70	70	200	N	>100
MZ192C	20	50	N	<10	700	150	100	N	50	50	1,500	N	>100
MZ193C	3	20	N	<10	1,500	500	150	N	<50	70	7,000	N	70
MZ194C	10	N	N	N	100	150	70	N	<50	70	150	N	>100
MZ195C	2	N	N	<10	5,000	15	150	N	<50	100	100	N	30
MZ196C	20	N	N	N	100	100	150	N	70	50	150	N	>100
MZ197C	2	N	N	<10	2,000	20	100	N	<50	50	70	N	70
MZ198C	2	N	N	<10	100	N	50	N	N	<10	<20	N	<10
MZ199C	7	N	N	N	30	50	200	N	70	30	200	N	30
MZ200C	5	N	N	<10	100	30	200	N	150	<10	150	N	50
MZ201C	5	N	N	10	1,500	70	200	N	150	70	150	N	70
MZ202C	N	N	N	<10	500	15	70	N	<50	<10	70	N	70
MZ203C	7	N	N	<10	2,000	15	70	N	<50	70	70	N	>100
MZ204C	N	N	N	50	>5,000	30	20	N	<50	300	<20	N	100
MZ205C	N	N	N	10	>5,000	10	<50	N	N	200	<20	N	30
MZ206C	N	N	N	30	>5,000	30	<50	N	N	200	20	N	100
MZ207C	2	70	N	10	5,000	15	100	150	<50	100	70	N	>100
MZ208C	N	N	N	15	>5,000	10	30	N	N	200	<20	N	70
MZ209C	N	N	N	30	>5,000	50	50	N	50	300	20	N	100
MZ210C	N	N	N	15	>5,000	10	<50	N	N	200	N	N	70
MZ211C	N	N	N	70	>5,000	20	<50	N	N	200	<20	N	100
MZ212C	<2	N	N	15	5,000	50	100	N	100	150	30	N	100
MZ213C	3	N	N	10	2,000	70	70	N	200	150	300	N	100
MZ214C	10	N	N	10	2,000	100	150	15	300	150	150	N	>100
MZ215C	3	N	N	20	>5,000	300	100	N	100	300	70	N	100
MZ216C	N	N	N	70	>5,000	70	20	N	N	300	70	N	>100
MZ217C	N	N	N	30	>5,000	30	<50	N	N	200	<20	N	100
MZ218C	N	N	N	30	>5,000	30	30	N	N	300	<20	N	70
MZ219C	<2	N	N	70	2,000	150	50	N	<50	300	20	N	70
MZ220C	N	N	N	20	>5,000	20	<50	N	N	300	<20	N	70
MZ221C	N	N	N	50	>5,000	50	50	N	50	200	70	N	>100
MZ222C	N	N	N	15	>5,000	20	50	N	N	100	N	N	100
MZ223C	N	N	N	10	>5,000	15	30	N	N	200	<20	N	70
MZ224C	N	N	N	30	5,000	20	<50	N	N	300	<20	N	>100
MZ225C	N	N	N	15	>5,000	15	30	N	N	200	<20	N	70
MZ226C	N	N	N	70	>5,000	30	30	N	N	300	30	N	>100

Table 2.--Continued

Sample	Sn ²⁺ ppm s	Sr ²⁺ ppm s	V ³⁺ ppm s	W ⁶⁺ ppm s	Y ³⁺ ppm s	Zn ²⁺ ppm s	Zr ⁴⁺ ppm s	Th ⁴⁺ ppm s
MZ182C	N	<200	100	N	100	N	700	N
MZ183C	N	200	150	N	100	N	>1,000	N
MZ184C	70	1,500	100	N	>2,000	N	>1,000	500
MZ185C	N	200	150	N	70	N	>1,000	N
MZ186C	N	<200	300	N	500	N	>1,000	N
MZ187C	N	<200	100	N	500	N	>1,000	N
MZ188C	<20	300	100	N	200	N	>1,000	N
MZ189C	70	1,500	150	N	700	N	>1,000	N
MZ190C	30	<200	100	N	200	N	1,000	N
MZ191C	>1,000	>5,000	200	<100	>2,000	N	>1,000	200
MZ192C	>1,000	1,500	30	N	>2,000	N	>1,000	<200
MZ193C	<20	<200	500	N	2,000	N	>1,000	N
MZ194C	50	3,000	100	N	>2,000	N	>1,000	1,500
MZ195C	<20	<200	70	N	300	N	>1,000	N
MZ196C	>1,000	3,000	50	N	>2,000	N	>1,000	N
MZ197C	<20	<200	50	N	500	N	>1,000	N
MZ198C	N	<200	<20	N	100	N	1,000	N
MZ199C	150	N	50	N	2,000	<500	>1,000	N
MZ200C	70	<200	70	N	2,000	N	>1,000	200
MZ201C	300	700	200	N	1,500	N	>1,000	N
MZ202C	300	<200	50	N	200	N	>1,000	N
MZ203C	100	<200	100	N	>2,000	N	>1,000	N
MZ204C	N	200	300	N	70	N	300	N
MZ205C	N	<200	150	N	<20	N	100	N
MZ206C	N	200	200	N	70	N	200	N
MZ207C	30	<200	100	500	700	N	>1,000	700
MZ208C	N	<200	150	N	100	N	1,000	N
MZ209C	N	200	200	N	300	N	>1,000	<200
MZ210C	N	<200	150	N	30	N	200	N
MZ211C	N	200	200	N	70	N	200	N
MZ212C	30	500	150	<100	700	N	>1,000	N
MZ213C	70	N	150	<100	2,000	N	>1,000	N
MZ214C	150	N	100	<100	>2,000	N	>1,000	N
MZ215C	30	<200	150	N	1,500	N	>1,000	N
MZ216C	N	500	300	N	100	N	700	N
MZ217C	N	300	150	N	70	N	500	N
MZ218C	N	<200	150	N	150	N	300	N
MZ219C	N	1,000	200	N	70	N	500	N
MZ220C	N	<200	150	N	70	N	300	N
MZ221C	N	200	200	N	300	N	1,000	N
MZ222C	N	<200	150	N	100	N	1,000	N
MZ223C	N	<200	100	N	150	N	>1,000	N
MZ224C	N	200	200	N	30	N	>1,000	N
MZ225C	N	<200	150	N	100	N	500	N
MZ226C	N	200	200	N	150	N	>1,000	N

Table 2.--Continued

Sample	Latitude	Longitude	Fe-ppt. %	Mg-ppt. %	Ca-ppt. %	Ti-ppt. %	Mn-ppt. %	Ag-ppt. %	As-ppt. %	Au-ppt. %	B-ppt. %	Ba-ppt. %
M2227C	34 3 41	111 40 53	3.0	7.00	10.00	.300	1,000	N	N	N	<20	300
M2228C	34 4 18	111 40 0	1.5	3.00	7.00	.300	700	N	N	N	<20	70
M2229C	34 4 35	111 39 5	5.0	10.00	>20.00	1.000	2,000	N	N	N	<20	100
M2230C	34 3 46	111 39 40	3.0	5.00	10.00	.500	1,000	N	N	N	<20	150
M2231C	34 3 56	111 39 37	5.0	10.00	20.00	.700	1,500	N	N	N	<20	300
M2232C	34 3 1	111 39 53	3.0	7.00	10.00	.300	1,000	N	N	N	<20	200
M2233C	34 3 16	111 42 40	2.0	5.00	7.00	.200	1,000	N	N	N	<20	100
M2234C	34 2 4	111 41 42	5.0	10.00	>20.00	1.000	2,000	N	N	N	<20	300
M2235C	34 1 59	111 40 28	3.0	5.00	10.00	.500	1,000	N	N	N	<20	100
M2236C	34 1 55	111 40 30	7.0	7.00	15.00	.700	1,500	N	N	N	<20	200
M2237C	34 0 40	111 40 8	2.0	5.00	7.00	.300	1,000	N	N	N	<20	300
M2238C	34 1 37	111 38 42	2.0	3.00	7.00	.300	1,000	N	N	N	<20	500
M2239C	34 1 47	111 38 30	5.0	10.00	20.00	.700	1,500	N	N	N	<20	3,000
M2240C	34 2 56	111 37 20	2.0	7.00	10.00	.300	1,000	N	N	N	<20	100
M2241C	34 3 26	111 36 34	5.0	7.00	20.00	.500	1,500	N	N	N	<20	100
M2242C	34 3 38	111 36 7	2.0	7.00	10.00	.300	1,000	N	N	N	<20	200
M2243C	34 3 46	111 36 0	1.5	5.00	10.00	.700	1,500	N	N	N	<20	500
M2244C	34 4 1	111 35 24	3.0	5.00	7.00	>1.000	2,000	N	N	N	<20	700
M2245C	34 4 3	111 34 54	2.0	5.00	10.00	.300	700	N	N	N	<20	100
M2246C	34 4 19	111 34 33	2.0	3.00	10.00	1.000	1,000	N	N	N	30	700
M2247C	34 4 17	111 34 24	2.0	.70	3.00	1.000	1,500	N	<500	N	50	3,000
M2248C	34 4 11	111 34 6	2.0	3.00	7.00	1.000	700	N	<500	N	<20	300
M2249C	34 4 30	111 33 30	5.0	.30	20.00	>1.000	1,000	N	<500	N	50	700
M2250C	34 4 47	111 33 15	3.0	.20	10.00	1.000	700	N	N	N	70	1,000
M2251C	34 4 47	111 33 20	2.0	1.00	20.00	1.000	700	N	N	N	<20	1,000
M2252C	34 5 18	111 32 45	3.0	.70	7.00	1.000	1,000	N	<500	N	50	700
M2253C	34 5 12	111 32 41	3.0	.20	.20	.500	1,000	N	<500	N	100	700
M2254C	34 6 51	111 35 20	5.0	.50	3.00	>1.000	700	N	<500	N	50	1,000
M2255C	34 6 54	111 35 26	3.0	5.00	10.00	.500	700	N	<500	N	30	300
M2256C	34 6 1	111 36 22	7.0	1.50	1.50	.700	700	N	<500	N	<20	700
M2257C	34 5 22	111 35 34	3.0	3.00	7.00	.500	1,000	N	N	N	20	300
M2258C	34 5 25	111 35 33	2.0	3.00	5.00	.500	700	N	N	N	<20	1,000
M2259C	34 5 8	111 36 39	5.0	5.00	7.00	.700	700	N	N	N	50	1,000
M2260C	34 4 58	111 36 40	3.0	5.00	15.00	.500	1,000	N	N	N	<20	3,000
M2261C	34 4 47	111 36 56	3.0	7.00	15.00	.500	1,000	N	N	N	N	200
M2262C	34 10 54	111 38 59	5.0	1.50	5.00	>1.000	700	N	<500	N	70	1,500
M2263C	34 10 5	111 38 16	1.0	1.00	<1.0	1.000	500	N	N	N	70	100
M2264C	34 9 53	111 37 19	5.0	2.00	5.00	>1.000	700	N	N	N	70	500
M2265C	34 13 8	111 46 8	2.0	5.00	7.00	.700	700	N	N	N	20	300
M2266C	34 13 8	111 46 3	3.0	5.00	10.00	.700	1,000	N	N	N	<20	100
M2267C	34 12 23	111 46 4	2.0	5.00	10.00	.300	1,000	N	N	N	<20	150
M2268C	34 5 46	111 31 53	5.0	1.50	2.00	1.000	1,000	N	<500	N	170	1,000
M2269C	34 6 12	111 31 50	5.0	.30	5.00	1.000	700	N	<500	N	100	700
M2270C	34 2 51	111 32 51	2.0	2.00	2.00	.700	500	N	N	N	70	1,500
M2271C	34 3 11	111 32 48	3.0	3.00	7.00	1.000	1,500	N	N	N	200	700

Table 2.---Continued

Sample	Be ⁺⁺ ppm s	Bi ⁺⁺ ppm s	Cd ⁺⁺ ppm s	Co ⁺⁺ ppm s	Cr ⁺⁺ ppm s	Cu ⁺⁺ ppm s	La ⁺⁺ ppm s	Mo ⁺⁺ ppm s	Nb ⁺⁺ ppm s	Ni ⁺⁺ ppm s	Pb ⁺⁺ ppm s	Sb ⁺⁺ ppm s	Sc ⁺⁺ ppm s
MZ227C	N	N	N	20	>5,000	10	<50	N	N	150	N	N	100
MZ228C	N	N	N	15	>5,000	15	30	N	N	200	<20	N	100
MZ229C	N	N	N	20	5,000	30	100	N	50	300	20	N	>100
MZ230C	N	N	N	20	>5,000	15	30	N	N	300	<20	N	70
MZ231C	N	N	N	30	>5,000	20	50	N	<50	300	30	N	100
MZ232C	N	N	N	15	>5,000	15	<50	N	N	150	N	N	100
MZ233C	N	N	N	15	>5,000	15	<50	N	N	200	<20	N	70
MZ234C	N	N	N	20	5,000	30	<50	N	N	300	<20	N	100
MZ235C	N	N	N	15	>5,000	15	<50	N	N	200	<20	N	70
MZ236C	N	N	N	30	>5,000	50	<50	N	N	200	20	N	70
MZ237C	N	N	N	10	>5,000	10	<50	N	N	100	N	N	70
MZ238C	N	N	N	15	5,000	20	<50	N	N	150	N	N	50
MZ239C	N	N	N	30	5,000	20	200	N	N	300	<20	N	100
MZ240C	N	N	N	15	>5,000	20	<50	N	N	300	N	N	70
MZ241C	N	N	N	30	>5,000	20	<50	N	N	500	20	N	100
MZ242C	N	N	N	20	>5,000	15	<50	N	N	300	N	N	70
MZ243C	N	N	N	15	2,000	50	150	N	N	150	70	N	50
MZ244C	10	N	N	20	2,000	100	150	N	100	150	150	N	>100
MZ245C	N	N	N	15	>5,000	20	<50	N	N	200	<20	N	50
MZ246C	5	N	N	10	1,500	50	200	N	70	100	100	N	70
MZ247C	7	<20	N	<10	1,000	30	150	N	50	50	150	N	70
MZ248C	N	N	N	15	>5,000	20	100	N	50	300	50	N	70
MZ249C	<2	N	N	N	200	50	300	N	100	<10	150	N	30
MZ250C	20	30	N	<10	300	50	200	N	50	50	100	N	30
MZ251C	10	N	N	<10	300	30	200	N	70	50	70	N	50
MZ252C	5	N	N	<10	300	50	200	N	200	<10	150	N	70
MZ253C	7	N	N	<10	300	15	50	N	<50	<10	70	N	30
MZ254C	5	N	N	<10	500	30	200	N	100	<10	150	N	70
MZ255C	3	30	N	20	>5,000	10	100	N	100	200	70	N	100
MZ256C	3	N	N	<10	1,500	30	300	N	100	50	150	N	50
MZ257C	2	N	N	10	>5,000	15	50	N	<50	200	<20	N	100
MZ258C	<2	N	N	20	300	70	<50	N	<50	50	100	N	50
MZ259C	5	N	N	15	>5,000	20	150	N	70	150	70	N	70
MZ260C	2	30	N	30	>5,000	10	50	N	<50	300	<20	N	100
MZ261C	N	N	N	30	>5,000	15	<50	N	N	300	<20	N	70
MZ262C	5	N	N	<10	1,500	150	150	N	200	70	150	N	70
MZ263C	10	N	N	<10	500	15	70	N	50	30	100	N	>100
MZ264C	3	N	N	<10	3,000	50	70	N	150	100	100	N	70
MZ265C	N	30	N	15	>5,000	20	50	N	<50	200	<20	N	70
MZ266C	N	N	N	20	>5,000	20	70	N	N	300	<20	N	100
MZ267C	N	N	N	15	>5,000	10	50	N	N	200	N	N	70
MZ268C	<2	N	N	N	1,500	20	200	N	50	70	70	N	30
MZ269C	7	N	N	<10	100	20	200	N	100	<10	150	N	30
MZ270C	<2	30	N	<10	1,500	20	100	N	<50	100	30	N	20
MZ271C	N	N	N	15	2,000	50	150	N	70	300	30	N	30

Table 2.--Continued

Sample	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
M2227C	N	<200	150	N	100	N	>1,000	N
M2228C	N	N	100	N	150	N	>1,000	N
M2229C	N	200	200	N	300	N	>1,000	N
M2230C	N	200	150	N	150	N	500	N
M2231C	N	200	200	N	200	N	>1,000	N
M2232C	N	<200	150	N	30	N	1,000	N
M2233C	N	N	150	N	<20	N	200	N
M2234C	N	200	300	N	30	N	150	N
M2235C	N	<200	150	N	30	N	300	N
M2236C	N	200	200	N	50	N	100	N
M2237C	N	<200	100	N	30	N	700	N
M2238C	N	<200	100	N	<20	N	100	N
M2239C	N	200	200	N	100	N	500	N
M2240C	N	500	150	N	100	N	300	N
M2241C	N	200	200	N	20	N	100	N
M2242C	N	<200	150	N	70	N	300	N
M2243C	N	<200	150	N	200	N	700	N
M2244C	200	N	300	N	1,500	N	>1,000	700
M2245C	N	<200	150	N	30	N	300	N
M2246C	50	<200	100	N	2,000	N	>1,000	N
M2247C	100	<200	70	N	>2,000	N	>1,000	N
M2248C	N	N	100	N	200	N	1,000	N
M2249C	50	N	100	<100	1,000	N	>1,000	N
M2250C	<20	<200	50	N	700	N	>1,000	N
M2251C	100	<100	70	N	>2,000	N	>1,000	200
M2252C	500	<200	50	N	1,500	N	>1,000	N
M2253C	<20	<200	50	N	200	N	>1,000	N
M2254C	30	<200	70	<100	1,000	N	>1,000	N
M2255C	N	<200	100	N	1,000	N	>1,000	N
M2256C	50	<100	100	N	1,000	N	>1,000	<200
M2257C	<20	<200	150	N	700	N	>1,000	N
M2258C	100	1,500	100	N	300	N	>1,000	N
M2259C	20	<200	100	N	700	N	>1,000	N
M2260C	N	<200	200	N	200	N	>1,000	N
M2261C	N	<100	200	N	50	N	200	N
M2262C	500	<200	100	N	1,500	N	>1,000	N
M2263C	500	<200	50	N	2,000	N	>1,000	<200
M2264C	70	<200	70	<100	1,000	N	>1,000	N
M2265C	N	700	150	N	200	N	500	N
M2266C	N	700	200	N	150	N	700	N
M2267C	N	<200	150	N	50	N	300	N
M2268C	N	700	100	N	300	N	>1,000	N
M2269C	30	<200	30	<100	1,500	N	>1,000	N
M2270C	N	700	50	N	70	N	700	N
M2271C	N	500	100	N	300	N	>1,000	N

Table 2.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppt s	Ag-ppt s	As-ppt s	Au-ppt s	B-ppt s	Ba-ppt s
MZ272C	34 3 11	111 32 54	3.0	.20	.10	1.000	1,000	N	<500	N	50	1,500
MZ273C	34 2 23	111 33 40	3.0	1.50	5.00	>1.000	1,500	N	N	N	100	>5,000
MZ274C	34 1 54	111 33 45	7.0	1.50	3.00	.500	500	N	N	N	100	5,000
MZ275C	34 2 39	111 33 22	2.0	1.50	3.00	.700	500	N	N	N	70	1,500
MZ276C	34 1 56	111 34 12	3.0	2.00	7.00	>1.000	2,000	N	<500	N	20	>5,000
MZ277C	34 1 41	111 34 25	2.0	.30	7.00	>1.000	1,500	N	N	N	70	>5,000
MZ278C	34 1 13	111 33 50	3.0	1.50	7.00	>1.000	1,000	N	<500	N	200	3,000
MZ279C	34 1 27	111 33 49	7.0	.50	2.00	.700	700	N	N	N	700	1,500
MZ280C	34 1 5	111 35 26	5.0	3.00	7.00	1.000	700	N	N	N	20	1,000
MZ281C	34 1 55	111 36 5	3.0	7.00	15.00	.700	1,500	N	N	N	<20	500
MZ282C	33 59 40	111 40 51	2.0	3.00	7.00	.500	700	N	N	N	30	2,000
MZ283C	34 0 5	111 37 54	3.0	5.00	15.00	.500	1,000	N	N	N	<20	500
MZ284C	34 0 1	111 37 58	3.0	5.00	10.00	.700	700	N	N	N	50	1,000
MZ285C	34 0 8	111 38 8	3.0	5.00	10.00	.300	1,000	N	N	N	<20	500
MZ286C	34 0 37	111 37 13	3.0	7.00	15.00	.500	1,000	N	N	N	<20	700
MZ287C	34 0 51	111 37 2	2.0	5.00	10.00	.300	1,000	N	N	N	<20	700
MZ288C	34 1 0	111 36 10	3.0	5.00	10.00	.500	1,000	N	N	N	50	2,000
MZ289C	34 0 48	111 36 1	2.0	3.00	7.00	1.000	1,500	N	N	N	50	>5,000
MZ290C	33 59 35	111 37 15	2.0	5.00	15.00	.500	700	N	N	N	20	700
MZ291C	33 59 20	111 37 21	5.0	5.00	10.00	1.000	1,500	N	N	N	N	1,500
MZ292C	33 59 39	111 36 32	2.0	3.00	7.00	.500	1,000	N	N	N	<20	1,500
MZ293C	33 59 32	111 36 34	2.0	3.00	15.00	1.000	1,000	N	N	N	<20	1,500
MZ294C	33 59 10	111 38 17	2.0	3.00	7.00	.700	1,000	N	N	N	<20	3,000
MZ295C	33 59 5	111 38 14	2.0	3.00	10.00	.700	700	N	N	N	20	>5,000
MZ296C	33 58 12	111 38 38	3.0	5.00	10.00	.500	1,000	N	N	N	<20	3,000
MZ297C	33 57 27	111 38 51	3.0	3.00	7.00	.500	1,000	N	N	N	30	700
MZ298C	33 56 28	111 38 43	2.0	3.00	7.00	.500	1,000	N	N	N	30	700
MZ299C	33 55 31	111 38 8	3.0	7.00	10.00	.500	1,000	N	N	N	<20	500
MZ300C	33 56 0	111 37 33	5.0	5.00	10.00	.700	1,000	N	N	N	50	2,000
MZ301C	33 56 38	111 37 30	3.0	7.00	10.00	.300	1,000	N	N	N	N	200
MZ302C	33 57 20	111 37 12	3.0	2.00	3.00	.500	700	N	N	N	100	2,000
MZ303C	33 57 40	111 36 35	3.0	.50	5.00	>1.000	1,000	N	N	N	70	>5,000
MZ304C	33 58 21	111 36 39	3.0	3.00	7.00	1.000	1,000	N	N	N	30	1,500
MZ305C	33 58 42	111 36 5	5.0	.70	7.00	>1.000	1,000	N	<500	<20	50	1,500
MZ306C	33 58 31	111 36 3	.5	.20	7.00	1.000	3,000	N	<500	N	150	2,000
MZ307C	33 58 49	111 35 24	1.5	.20	.20	>1.000	700	N	<500	N	100	2,000
MZ308C	33 59 12	111 35 9	2.0	2.00	5.00	.300	1,000	N	N	N	50	2,000
MZ309C	33 59 29	111 34 31	2.0	.20	3.00	>1.000	1,000	N	<500	<20	50	2,000
MZ310C	33 59 32	111 34 10	5.0	.70	7.00	>1.000	1,000	N	<500	<20	50	1,500
MZ311C	33 59 59	111 33 28	3.0	2.00	7.00	>1.000	1,500	N	<500	N	20	3,000
MZ312C	33 59 47	111 34 4	.7	1.50	3.00	>1.000	700	N	<500	N	150	500
MZ313C	33 59 43	111 33 41	2.0	.50	3.00	>1.000	1,000	N	<500	N	50	1,500
MZ314C	34 0 16	111 32 55	3.0	.15	.15	>1.000	700	N	<500	<20	30	>5,000
MZ315C	34 0 19	111 32 58	3.0	.10	1.50	>1.000	1,000	N	<500	<20	30	3,000
MZ316C	33 59 48	111 32 49	3.0	.20	.30	>1.000	2,000	N	<500	N	<20	3,000

Table 2.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Se-ppm s
MZ272C	20	N	N	<10	300	20	1,000	N	<50	<10	150	N	70
MZ273C	<2	N	N	<10	1,500	50	150	N	100	70	100	N	50
MZ274C	2	N	N	<10	700	50	200	N	<50	70	30	N	20
MZ275C	<2	30	N	<10	1,500	20	100	N	<50	100	50	N	10
MZ276C	<2	N	N	10	1,500	50	150	N	150	100	150	N	>100
MZ277C	3	N	N	15	2,000	70	150	N	<50	100	150	N	>100
MZ278C	5	N	N	<10	1,500	70	150	N	150	50	100	N	70
MZ279C	3	N	N	<10	300	50	100	N	50	<10	300	N	10
MZ280C	N	30	N	10	2,000	15	50	N	70	150	50	N	30
MZ281C	N	N	N	30	>5,000	30	70	N	N	300	<20	N	100
MZ282C	3	N	N	10	5,000	20	70	N	N	150	70	N	50
MZ283C	N	N	N	15	>5,000	20	70	N	N	200	30	N	70
MZ284C	<2	N	N	15	5,000	20	150	N	<50	150	30	N	50
MZ285C	N	30	N	10	5,000	10	N	N	N	100	N	N	30
MZ286C	N	N	N	20	>5,000	20	70	N	N	200	N	N	50
MZ287C	N	N	N	10	>5,000	15	N	N	N	150	<20	N	50
MZ288C	N	N	N	20	>5,000	30	50	N	N	150	<20	N	70
MZ289C	<2	N	N	10	3,000	30	70	N	70	200	70	N	70
MZ290C	N	30	N	15	>5,000	20	50	N	N	150	50	N	50
MZ291C	N	N	N	50	2,000	70	100	N	N	150	<20	N	70
MZ292C	N	N	N	10	3,000	30	N	N	N	100	N	N	30
MZ293C	<2	N	N	10	5,000	30	70	N	N	100	<20	N	70
MZ294C	N	N	N	15	5,000	50	70	N	N	100	<20	N	50
MZ295C	N	30	N	10	3,000	30	<50	N	N	100	20	N	30
MZ296C	N	N	N	20	3,000	15	50	N	N	150	<20	N	30
MZ297C	N	N	N	15	3,000	30	50	N	N	150	30	N	50
MZ298C	N	N	N	10	>5,000	20	<50	N	70	150	<20	N	50
MZ299C	N	N	N	20	>5,000	20	<50	N	N	150	<20	N	70
MZ300C	<2	30	N	30	>5,000	15	<50	N	N	200	<20	N	100
MZ301C	N	N	N	15	>5,000	10	<50	N	50	200	<20	N	70
MZ302C	<2	N	N	15	1,500	15	50	N	N	70	20	N	30
MZ303C	N	N	N	<10	100	300	300	50	N	<10	1,500	N	20
MZ304C	N	N	N	20	5,000	30	50	N	50	100	<20	N	70
MZ305C	<2	30	N	10	500	30	<50	N	300	<10	70	N	100
MZ306C	10	N	N	<10	200	15	150	N	N	<10	150	N	>100
MZ307C	20	N	N	30	100	30	30	N	100	50	100	N	>100
MZ308C	N	N	N	<10	1,000	30	<50	N	200	30	50	N	15
MZ309C	20	N	N	<10	100	15	<50	N	300	<10	70	N	100
MZ310C	<2	30	N	<10	500	30	<50	N	700	<10	70	N	>100
MZ311C	<2	N	N	<10	1,500	20	70	N	200	100	150	N	50
MZ312C	15	N	N	<10	700	50	100	N	100	50	100	N	70
MZ313C	2	N	N	<10	300	30	<50	N	100	<10	50	N	70
MZ314C	<2	30	N	<10	100	20	70	N	100	<10	1,000	N	30
MZ315C	<2	30	N	<10	30	15	<50	N	200	<10	70	N	100
MZ316C	<2	N	N	<10	300	20	70	N	150	<10	100	N	70

Table 2.--Continued

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
MZ272C	1,000	<200	100	N	1,500	N	>1,000	N
MZ273C	100	50N	150	<100	500	N	>1,000	N
MZ274C	N	<200	50	N	200	N	1,000	N
MZ275C	N	700	50	N	70	N	1,000	N
MZ276C	70	<100	200	N	1,500	N	>1,000	N
MZ277C	<20	700	200	<100	700	N	>1,000	N
MZ278C	50	700	70	N	1,000	N	>1,000	N
MZ279C	100	<200	50	N	200	N	700	N
MZ280C	N	<200	100	N	200	N	>1,000	N
MZ281C	N	<100	200	N	70	N	>1,000	N
MZ282C	N	>5,000	100	N	700	N	>1,000	<200
MZ283C	<20	200	150	N	100	N	>1,000	N
MZ284C	N	<200	100	N	300	N	>1,000	N
MZ285C	N	<200	100	N	<20	N	100	N
MZ286C	N	700	200	N	30	N	500	N
MZ287C	N	700	150	N	<20	N	>1,000	N
MZ288C	N	500	200	N	70	N	500	N
MZ289C	N	<200	100	N	500	N	>1,000	N
MZ290C	N	300	150	N	100	N	>1,000	N
MZ291C	N	700	150	N	150	N	>1,000	N
MZ292C	N	<200	150	N	<20	N	200	N
MZ293C	N	500	150	N	300	N	>1,000	N
MZ294C	N	<200	150	N	100	N	300	N
MZ295C	N	700	100	N	100	N	>1,000	N
MZ296C	N	500	150	N	50	N	700	N
MZ297C	N	700	150	N	100	N	>1,000	N
MZ298C	N	500	150	N	70	N	700	N
MZ299C	N	<200	150	N	20	N	1,000	N
MZ300C	N	200	150	N	70	N	300	N
MZ301C	N	<100	150	N	30	N	50	N
MZ302C	N	500	70	N	100	N	1,000	N
MZ303C	N	700	200	N	150	<500	700	N
MZ304C	N	700	150	N	150	N	>1,000	N
MZ305C	70	<200	30	<100	1,500	N	>1,000	N
MZ306C	N	<100	100	N	>2,000	N	>1,000	500
MZ307C	200	N	20	N	>2,000	N	>1,000	N
MZ308C	N	1,000	150	N	30	N	500	N
MZ309C	70	<200	30	<100	2,000	N	>1,000	N
MZ310C	100	<200	30	<100	1,500	N	>1,000	N
MZ311C	<20	<100	70	<100	500	N	>1,000	N
MZ312C	<20	N	50	N	1,500	N	>1,000	N
MZ313C	50	1,000	100	N	700	N	>1,000	N
MZ314C	300	<200	100	<100	200	N	>1,000	N
MZ315C	300	<200	<20	<100	300	N	>1,000	N
MZ316C	N	<100	70	<100	500	N	>1,000	N

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
MZ317C	33 59 20	111 32 21	3.0	.30	2.00	.300	700	N	N	N	100	700
MZ318C	33 59 24	111 32 15	5.0	.20	.50	>1.000	1,000	N	N	N	50	1,500
MZ319C	33 58 18	111 33 21	2.0	.50	2.00	.500	1,000	N	N	N	200	2,000
MZ320C	33 57 50	111 34 34	5.0	1.00	7.00	.300	1,500	N	N	N	50	2,000
MZ321C	33 57 53	111 34 33	3.0	.30	5.00	1.000	1,000	N	<500	N	100	3,000
MZ322C	33 58 9	111 35 13	1.0	.20	.20	>1.000	500	N	<500	N	150	5,000
MZ323C	34 6 5	111 30 25	3.0	.20	.10	>1.000	300	N	N	N	150	700
MZ324C	34 6 30	111 31 20	3.0	.20	.30	>1.000	200	N	N	N	200	1,000
MZ325C	34 6 9	111 30 24	3.0	.15	<.10	1.000	100	N	N	N	300	1,000
MZ326C	34 6 25	111 31 20	1.5	.20	.30	1.000	300	N	<500	N	50	>5,000
MZ327C	33 56 17	111 36 47	3.0	1.50	5.00	.200	700	N	N	N	20	700
MZ328C	33 56 30	111 36 42	2.0	3.00	7.00	.200	1,000	N	N	N	70	>5,000
MZ329C	33 56 46	111 36 44	2.0	1.00	7.00	.700	1,500	N	N	N	100	1,500
MZ330C	33 57 6	111 35 57	3.0	.70	3.00	.700	3,000	N	N	N	200	2,000
MZ331C	33 57 3	111 34 22	3.0	1.50	5.00	.150	1,000	N	N	N	20	1,500
MZ332C	33 56 16	111 34 12	2.0	3.00	7.00	.300	700	N	N	N	<20	150
MZ333C	33 57 31	111 35 10	3.0	.30	3.00	.300	1,000	N	N	N	70	1,500
MZ334C	33 57 6	111 33 37	3.0	1.00	7.00	.300	1,000	N	N	N	150	1,500
MZ335C	33 57 10	111 33 49	5.0	1.00	5.00	.500	1,500	N	N	N	200	2,000
MZ336C	33 57 19	111 33 5	5.0	.70	3.00	.300	1,000	N	N	N	100	2,000
MZ337C	33 57 15	111 33 5	3.0	.50	1.50	.300	1,000	N	N	N	100	5,000
MZ339C	33 53 40	111 36 35	2.0	3.00	7.00	.700	1,000	N	N	N	100	1,500
MZ340C	33 53 55	111 35 27	3.0	2.00	7.00	1.000	2,000	N	N	N	70	2,000
MZ341C	33 53 52	111 34 58	5.0	3.00	7.00	>1.000	700	N	N	N	20	1,500
MZ342C	33 54 1	111 33 20	2.0	3.00	5.00	1.000	700	N	N	N	20	700
MZ343C	33 53 47	111 37 24	2.0	1.50	2.00	>1.000	1,000	N	N	N	100	1,000
MZ344C	33 54 36	111 37 59	3.0	3.00	7.00	.300	1,000	N	N	N	30	1,000
MZ345C	33 55 37	111 37 1	3.0	3.00	7.00	.300	1,000	N	N	N	50	1,000
MZ346C	33 55 0	111 37 26	5.0	3.00	7.00	.500	700	N	N	N	<20	1,500
MZ347C	33 53 42	111 31 50	1.0	2.00	5.00	1.000	700	N	N	N	20	200
MZ348C	33 53 56	111 31 20	1.0	1.50	3.00	1.000	700	N	N	N	70	700
MZ349C	33 54 11	111 30 38	2.0	5.00	10.00	.300	1,000	N	N	N	<20	500
MZ350C	33 54 5	111 30 5	2.0	5.00	10.00	.300	700	N	N	N	<20	1,500
MZ351C	33 55 39	111 31 48	5.0	1.50	7.00	.500	1,000	N	N	N	70	1,500
MZ352C	33 55 40	111 31 52	2.0	1.50	3.00	.200	700	N	N	N	50	700
MZ353C	33 55 29	111 31 45	2.0	3.00	7.00	1.000	1,000	N	N	N	100	700
MZ354C	33 55 46	111 32 58	3.0	2.00	7.00	.700	1,000	N	N	N	70	1,500
MZ355C	33 56 4	111 33 28	5.0	.30	2.00	1.000	1,000	N	N	N	70	1,500
MZ356C	33 55 24	111 29 49	7.0	1.50	2.00	1.000	1,000	N	N	N	30	2,000
MZ357C	33 56 41	111 30 4	3.0	2.00	3.00	.700	1,000	N	N	N	300	500
MZ358C	33 57 30	111 29 59	5.0	.50	1.00	>1.000	1,500	1.0	1,500	N	300	1,500
MZ359C	34 9 59	111 27 22	3.0	.50	.50	.500	700	N	N	N	100	>5,000
MZ360C	34 10 37	111 27 45	2.0	.20	20.00	.500	150	N	N	N	50	>5,000
MZ361C	34 8 10	111 26 33	7.0	.30	1.00	1.000	700	N	N	N	70	3,000
MZ362C	34 7 42	111 26 28	5.0	.30	.70	.700	700	N	N	N	100	700

Table 2.---Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
MZ317C	<2	N	N	<10	70	20	500	N	N	<10	70	N	10
MZ318C	<2	N	N	<10	100	30	100	N	70	<10	100	N	30
MZ319C	<2	30	N	<10	200	15	30	N	<50	<10	50	N	20
MZ320C	N	30	N	10	100	50	<50	N	150	<10	50	N	10
MZ321C	2	N	N	<10	100	70	70	N	150	<10	100	N	50
MZ322C	20	N	N	30	150	15	<50	N	70	30	100	N	>100
MZ323C	<2	N	N	<10	300	15	100	N	N	<10	50	N	30
MZ324C	<2	30	N	<10	500	10	70	N	<50	<10	30	N	70
MZ325C	N	30	N	<10	300	<10	<50	N	N	<10	<20	N	100
MZ326C	5	N	N	<10	200	70	70	N	200	<10	150	N	100
MZ327C	<2	N	N	10	500	20	<50	N	N	50	20	N	20
MZ328C	<2	N	N	<10	3,000	20	<50	N	N	70	30	N	30
MZ329C	<2	30	N	<10	1,000	70	70	N	N	50	50	N	15
MZ330C	N	30	N	<10	300	50	50	N	N	<10	50	N	>100
MZ331C	<2	N	N	<10	200	20	50	N	N	<10	<20	N	<10
MZ332C	N	N	N	20	1,500	10	<50	N	N	150	<20	N	50
MZ333C	N	N	N	<10	300	50	<50	N	200	<10	20	N	10
MZ334C	<2	30	N	10	500	50	50	N	N	50	70	N	30
MZ335C	N	30	N	<10	300	20	100	N	N	<10	50	N	10
MZ336C	<2	N	N	<10	150	20	70	N	N	<10	50	N	15
MZ337C	<2	N	N	10	200	150	<50	N	N	30	500	N	15
MZ339C	<2	30	N	20	2,000	30	50	N	N	100	<20	N	50
MZ340C	15	30	N	15	1,500	30	50	N	N	50	50	N	30
MZ341C	N	N	N	10	1,500	50	50	N	N	70	<20	N	30
MZ342C	N	N	N	15	1,500	15	70	N	<50	100	30	N	50
MZ343C	N	N	N	10	1,000	30	70	N	50	<10	100	N	30
MZ344C	<2	30	N	20	>5,000	30	50	N	N	150	20	N	50
MZ345C	N	30	N	<10	>5,000	15	N	N	N	70	N	N	30
MZ346C	N	N	N	10	3,000	20	50	N	N	100	200	N	50
MZ347C	N	N	N	10	1,500	10	50	N	N	70	50	N	70
MZ348C	N	N	N	<10	1,500	10	70	N	N	50	100	N	70
MZ349C	<2	30	N	30	>5,000	10	30	N	N	200	<20	N	70
MZ350C	N	30	N	10	>5,000	20	50	N	N	70	<20	N	30
MZ351C	<2	N	N	10	1,000	20	50	N	N	50	70	N	30
MZ352C	N	N	N	10	500	15	<50	N	N	30	30	N	20
MZ353C	N	N	N	<10	>5,000	20	50	N	N	100	<20	N	70
MZ354C	<2	30	N	10	1,500	20	50	N	50	50	20	N	50
MZ355C	N	30	N	<10	700	20	<50	N	N	<10	30	N	<10
MZ356C	N	N	N	10	1,500	20	50	N	N	70	30	N	30
MZ357C	N	N	N	20	1,000	50	<50	N	N	100	20	N	30
MZ358C	N	N	N	20	500	70	50	N	N	30	15,000	N	20
MZ359C	5	30	N	<10	700	20	70	N	<50	50	70	N	20
MZ360C	<2	30	N	<10	300	50	50	N	N	<10	150	N	10
MZ361C	<2	N	N	10	500	300	70	N	N	50	1,500	N	30
MZ362C	<2	N	N	15	300	70	700	N	N	<10	2,000	N	20

Table 2.--Continued

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
MZ317C	N	700	70	N	70	N	700	N
MZ318C	N	N	50	N	200	N	>1,000	N
MZ319C	N	<200	100	N	200	N	700	N
MZ320C	N	1,000	100	N	50	N	1,000	N
MZ321C	N	700	100	<100	700	N	>1,000	N
MZ322C	100	N	<20	N	>2,000	N	>1,000	N
MZ323C	N	N	50	N	500	N	>1,000	N
MZ324C	<20	<200	70	N	200	N	>1,000	N
MZ325C	N	<200	30	N	150	N	>1,000	N
MZ326C	<20	<100	100	<100	>2,000	N	>1,000	1,000
MZ327C	N	700	70	N	70	N	700	N
MZ328C	N	700	100	N	20	N	1,000	N
MZ329C	N	<200	100	N	50	N	700	N
MZ330C	N	500	100	N	70	N	>1,000	N
MZ331C	N	700	100	N	70	N	200	N
MZ332C	N	200	100	N	30	N	300	N
MZ333C	N	500	150	N	50	N	100	N
MZ334C	N	1,000	150	N	70	N	>1,000	N
MZ335C	N	700	100	N	30	N	300	N
MZ336C	N	700	150	<100	30	N	>1,000	N
MZ337C	N	700	200	N	30	N	500	N
MZ339C	N	700	150	N	70	N	1,000	N
MZ340C	N	700	150	N	50	N	500	N
MZ341C	N	700	200	N	100	N	>1,000	N
MZ342C	N	300	150	N	150	N	1,000	N
MZ343C	70	300	100	<100	300	N	700	N
MZ344C	N	700	150	N	30	N	1,000	N
MZ345C	N	700	100	N	<20	N	100	N
MZ346C	N	<200	100	N	70	N	700	N
MZ347C	<20	200	100	N	200	N	>1,000	N
MZ348C	N	<200	100	N	200	N	>1,000	N
MZ349C	N	<200	150	N	30	N	1,000	N
MZ350C	N	<200	100	N	70	N	>1,000	N
MZ351C	N	1,000	200	N	200	N	>1,000	N
MZ352C	N	700	100	N	30	N	200	N
MZ353C	N	300	100	N	150	N	>1,000	N
MZ354C	N	700	150	N	300	N	1,000	N
MZ355C	N	500	150	N	20	N	150	N
MZ356C	N	<200	150	N	50	N	300	N
MZ357C	N	<200	150	N	30	N	150	N
MZ358C	N	300	150	N	70	N	1,000	N
MZ359C	N	<200	100	N	100	N	1,000	N
MZ360C	N	500	70	N	200	N	700	N
MZ361C	N	<200	300	N	100	N	>1,000	N
MZ362C	N	200	150	N	100	N	700	N

Table 2.---Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B ⁱ -ppm s	Ba ⁱ -ppm s
MZ363C	34 7 35	111 26 16	3.0	.70	2.00	>1.000	700	N	<500	N	100	>5,000
MZ364C	34 7 15	111 26 17	3.0	.50	.70	.700	500	N	N	N	100	>5,000
MZ365C	34 6 50	111 26 9	7.0	1.00	5.00	1.000	500	N	N	N	50	1,500
MZ366C	34 6 8	111 25 26	5.0	.30	1.50	.500	700	N	N	N	50	2,000
MZ367C	34 5 30	111 25 33	1.5	.10	<.10	>1.000	200	N	<500	N	200	300
MZ368C	34 5 33	111 26 39	5.0	.20	<.10	1.000	500	N	N	N	150	1,500
MZ369C	34 5 18	111 27 54	5.0	1.50	1.50	1.000	500	N	N	N	70	1,500
MZ370C	34 5 43	111 27 53	7.0	.20	.15	>1.000	500	N	<500	N	70	700
MZ371C	34 5 24	111 28 3	1.0	3.00	7.00	>1.000	1,000	N	N	N	20	>5,000
MZ372C	34 6 29	111 29 32	2.0	.30	.10	>1.000	300	N	<500	N	500	1,000
MZ373C	34 6 35	111 29 32	3.0	.30	.20	>1.000	300	N	N	N	700	2,000
MZ374C	34 3 43	111 29 29	10.0	.30	.20	>1.000	700	N	<500	N	70	1,500
MZ375C	34 4 23	111 29 50	7.0	3.00	7.00	1.000	700	N	N	N	70	1,000
MZ376C	34 5 43	111 32 4	5.0	1.50	3.00	>1.000	700	N	<500	N	70	1,500
MZ377C	34 4 55	111 31 2	2.0	.20	2.00	>1.000	300	N	<500	N	300	700
MZ378C	34 3 58	111 31 1	3.0	.30	.30	>1.000	500	N	<500	N	700	1,000
MZ379C	34 2 19	111 31 11	5.0	5.00	10.00	>1.000	1,000	N	N	N	30	>5,000
MZ380C	34 2 16	111 31 8	10.0	.20	.20	>1.000	2,000	N	<500	N	20	2,000
MZ381C	34 1 24	111 31 48	7.0	.20	5.00	>1.000	3,000	N	<500	N	70	2,000
MZ382C	34 1 30	111 31 47	5.0	.15	1.50	>1.000	1,000	N	<500	<20	100	1,500
MZ383C	34 3 32	111 24 47	5.0	.10	.50	1.000	500	N	<500	N	100	1,500
MZ384C	34 2 59	111 25 59	15.0	.20	.20	1.000	500	N	N	N	50	2,000
MZ385C	34 3 2	111 25 59	10.0	.30	1.00	1.000	500	N	N	N	100	2,000
MZ386C	34 1 40	111 25 7	3.0	.50	1.00	>1.000	1,500	N	1,000	<20	200	>5,000
MZ387C	33 58 15	111 30 54	3.0	1.00	5.00	.300	1,500	N	N	N	150	1,500
MZ388C	34 1 25	111 25 8	5.0	.20	.70	1.000	500	N	<500	N	150	>5,000
MZ389C	34 1 27	111 25 11	10.0	.70	1.00	1.000	700	N	N	N	100	>5,000
MZ390C	33 58 18	111 30 19	10.0	.70	5.00	.500	1,000	N	N	N	100	3,000
MZ391C	33 58 6	111 30 16	3.0	.20	.20	1.000	2,000	N	5,000	N	100	3,000
MZ392C	33 58 19	111 29 59	5.0	.70	1.50	.700	1,000	N	N	N	200	2,000
MZ393C	33 58 5	111 30 4	7.0	.70	5.00	.500	1,000	N	<500	N	100	2,000
MZ394C	33 59 30	111 29 0	10.0	.10	<.01	>1.000	1,000	N	<500	N	50	>5,000
MZ395C	33 59 24	111 28 51	5.0	.50	.10	>1.000	500	N	<500	N	100	3,000
MZ396C	34 0 54	111 27 51	7.0	2.00	1.50	.700	1,000	N	N	N	100	>5,000
MZ397C	34 2 30	111 25 20	5.0	.20	1.50	1.000	1,500	N	<500	N	100	>5,000
MZ398C	34 4 4	111 26 6	7.0	.20	<.01	>1.000	500	N	N	N	100	1,000
MZ399C	34 8 17	111 36 10	7.0	1.50	3.00	>1.000	700	N	N	N	50	1,500
MZ400C	34 9 36	111 29 29	10.0	.20	.15	.700	700	N	N	N	100	1,500
MZ401C	34 9 32	111 29 36	5.0	2.00	7.00	.500	1,000	N	N	N	100	2,000
MZ402C	34 6 5	111 46 25	2.0	1.50	1.00	>2.000	1,000	N	N	N	50	1,000
MZ403C	34 6 7	111 46 29	7.0	3.00	2.00	>2.000	500	N	N	N	30	5,000
MZ404C	34 6 41	111 46 22	2.0	1.50	2.00	1.500	1,000	N	N	N	30	700
MZ405C	34 6 46	111 46 25	7.0	5.00	5.00	1.500	1,000	N	N	N	30	2,000
MZ406C	34 6 35	111 46 2	5.0	3.00	5.00	2.000	700	N	N	N	30	2,000
MZ407C	34 6 27	111 45 42	1.0	.10	1.00	1.000	1,000	N	N	N	50	3,000

Table 2---Continued

Sample	Ba ₂ -ppm s	Bi ₁ -ppm s	Cd ₁ -ppm s	Co ₁ -ppm s	Cr ₁ -ppm s	Cu ₁ -ppm s	La ₁ -ppm s	Mo ₁ -ppm s	Nb ₁ -ppm s	Ni ₁ -ppm s	Pb ₁ -ppm s	Sb ₁ -ppm s	Se ₁ -ppm s
MZ363C	3	N	N	<10	700	50	>1,000	150	70	<10	300	N	30
MZ364C	<2	30	N	<10	500	1,500	100	N	<50	70	50	N	30
MZ365C	<2	30	N	20	70	20	50	N	N	100	30	N	30
MZ366C	N	N	N	<10	200	700	N	N	N	<10	70	N	20
MZ367C	<2	N	N	<10	300	10	70	N	N	<10	20	N	100
MZ368C	<2	N	N	<10	500	10	<50	N	N	<10	30	N	20
MZ369C	<2	30	N	<10	1,500	20	<50	N	<50	50	20	N	20
MZ370C	<2	N	N	N	500	15	70	N	70	<10	50	N	70
MZ371C	2	N	N	10	>5,000	30	500	N	70	300	50	N	>100
MZ372C	<2	N	N	<10	500	20	100	N	<50	<10	50	N	70
MZ373C	<2	N	N	<10	700	10	100	N	N	<10	50	N	70
MZ374C	2	N	N	N	700	10	100	N	N	20	70	N	30
MZ375C	<2	N	N	N	3,000	30	70	N	70	100	70	N	20
MZ376C	5	N	N	N	700	30	500	N	100	100	100	N	30
MZ377C	2	N	N	<10	300	15	200	N	100	<10	70	N	70
MZ378C	15	N	N	<10	300	50	150	N	150	<10	70	N	70
MZ379C	N	N	N	20	2,000	<10	100	N	50	300	50	N	30
MZ380C	<2	N	N	N	300	10	100	N	150	<10	100	N	30
MZ381C	3	N	N	<10	150	30	150	<10	150	<10	100	N	<10
MZ382C	2	N	N	<10	200	30	100	N	200	<10	200	N	30
MZ383C	<2	N	N	<10	300	20	100	N	50	<10	50	N	20
MZ384C	<2	N	N	10	500	20	50	N	<50	<10	70	N	20
MZ385C	N	N	N	<10	300	30	30	N	N	<10	70	N	20
MZ386C	7	N	N	N	200	300	700	N	700	<10	300	N	150
MZ387C	<2	N	N	10	300	50	30	N	N	<10	70	N	20
MZ388C	<2	N	N	<10	300	2,000	150	N	N	20	70	N	20
MZ389C	N	N	N	N	2,000	30	30	N	N	70	20	N	10
MZ390C	<2	N	N	<10	500	20	50	N	N	50	70	N	10
MZ391C	N	N	N	<10	300	500	200	N	N	50	1,000	N	<10
MZ392C	<2	N	N	<10	300	50	300	N	<50	<10	70	N	20
MZ393C	<2	N	N	N	500	1,000	50	N	N	30	150	N	10
MZ394C	2	N	N	N	150	15	70	N	200	<10	200	N	30
MZ395C	<2	N	N	<10	200	15	100	N	200	<10	70	N	30
MZ396C	<2	N	N	<10	1,500	20	70	N	<50	100	70	N	20
MZ397C	<2	N	N	15	200	70	200	N	100	<10	70	N	50
MZ398C	<2	N	N	N	700	15	70	N	N	20	50	N	50
MZ399C	3	N	N	N	1,500	15	500	N	50	<10	150	N	100
MZ400C	2	N	N	20	500	15	50	N	N	30	30	N	15
MZ401C	<2	N	N	<10	1,500	30	50	N	<50	70	100	N	30
MZ402C	7	500	N	30	500	70	300	100	500	50	150	N	200
MZ403C	5	200	N	30	1,000	100	500	30	500	100	100	N	70
MZ404C	7	N	N	30	500	100	300	200	150	50	100	N	200
MZ405C	5	N	N	50	2,000	100	300	30	300	200	150	N	100
MZ406C	5	N	N	30	1,000	70	700	100	500	100	150	N	100
MZ407C	10	300	N	20	50	50	500	1,000	150	N	150	N	200

Table 2.--Continued

Sample	Sn ⁺ ppm s	Sr ⁺ ppm s	V ⁺ ppm s	W ⁺ ppm s	Y ⁺ ppm s	Zn ⁺ ppm s	Zr ⁺ ppm s	Th ⁺ ppm s
MZ363C	30	700	100	N	500	N	>1,000	<200
MZ364C	<20	<200	150	N	50	N	300	N
MZ365C	N	500	150	N	70	N	300	N
MZ366C	N	<200	200	N	<20	N	70	N
MZ367C	N	<200	70	N	300	N	>1,000	N
MZ368C	N	<200	70	N	30	N	1,000	N
MZ369C	200	<200	100	N	100	N	700	N
MZ370C	N	<200	70	N	500	N	>1,000	N
MZ371C	<20	<200	150	N	1,500	N	>1,000	300
MZ372C	N	<200	70	N	200	N	>1,000	N
MZ373C	N	200	150	N	200	N	>1,000	N
MZ374C	N	<200	100	N	150	N	>1,000	N
MZ375C	<20	<200	70	<100	300	N	>1,000	N
MZ376C	<20	<200	70	<100	1,000	N	>1,000	N
MZ377C	<20	<200	50	<100	500	N	>1,000	N
MZ378C	<20	<200	100	<100	700	N	>1,000	300
MZ379C	N	<200	100	<100	100	N	>1,000	N
MZ380C	N	N	<20	<100	300	N	>1,000	N
MZ381C	N	200	70	<100	150	N	700	N
MZ382C	<20	<200	50	<100	300	N	>1,000	N
MZ383C	N	<200	100	N	150	N	>1,000	N
MZ384C	N	500	150	<100	150	N	1,000	N
MZ385C	N	500	200	<100	70	N	150	N
MZ386C	N	2,000	50	200	1,500	N	>1,000	N
MZ387C	N	1,000	150	<100	<20	N	300	N
MZ388C	N	<200	150	N	50	N	150	N
MZ389C	N	<200	200	N	50	N	150	N
MZ390C	N	700	150	<100	50	N	300	N
MZ391C	N	700	100	N	30	N	700	N
MZ392C	N	700	150	N	70	N	1,000	N
MZ393C	N	1,000	150	<100	30	N	1,000	N
MZ394C	70	N	<20	<100	500	N	>1,000	N
MZ395C	N	300	50	<100	200	N	>1,000	N
MZ396C	N	<200	100	N	50	N	700	N
MZ397C	N	1,500	150	N	500	N	>1,000	N
MZ398C	N	<200	100	<100	150	N	>1,000	N
MZ399C	150	<200	<20	N	1,500	N	>1,000	<200
MZ400C	N	N	70	<100	100	N	500	N
MZ401C	<20	<200	150	N	500	N	>1,000	N
MZ402C	70	<200	200	300	200	N	>2,000	>5,000
MZ403C	100	<200	200	100	20	N	>2,000	1,000
MZ404C	50	<200	200	200	200	N	>2,000	>5,000
MZ405C	50	200	150	150	30	N	>2,000	1,000
MZ406C	100	<200	200	700	50	N	>2,000	2,000
MZ407C	30	200	100	1,500	1,500	N	>2,000	>5,000

Table 2.--Continued

Sample	Latitude	Longitude	Fe:ppm %	Mg:ppm %	Ca:ppm %	Ti:ppm %	Mn:ppm %	Ag:ppm %	As:ppm %	Au:ppm %	B:ppm %	Ba:ppm %
M2408C	34 6 20	111 45 31	5.0	.20	1.00	>2.000	1,000	N	N	N	50	1,000
M2409C	34 6 8	111 45 18	7.0	7.00	7.00	1.500	500	N	N	N	20	500
M2410C	34 5 56	111 45 50	5.0	1.00	1.00	>2.000	1,000	N	N	N	50	1,000
M2411C	34 5 54	111 45 46	5.0	10.00	10.00	1.000	700	N	N	N	<20	700
M2412C	34 6 43	111 45 46	5.0	5.00	7.00	1.500	1,000	N	N	N	30	700
M2413C	34 6 47	111 45 47	5.0	5.00	7.00	1.500	700	N	N	N	20	2,000
M2414C	34 10 19	111 43 34	3.0	3.00	10.00	1.000	1,000	N	N	N	<20	>10,000
M2415C	34 10 21	111 43 31	5.0	5.00	15.00	1.500	1,000	N	N	N	20	5,000
M2416C	34 11 42	111 43 41	3.0	3.00	15.00	1.500	700	N	N	N	30	>10,000
M2417C	34 11 45	111 43 36	3.0	5.00	10.00	1.500	700	N	N	N	50	1,500
M2418C	34 12 10	111 43 16	5.0	3.00	10.00	2.000	700	N	N	N	20	>10,000
M2419C	34 11 11	111 43 52	3.0	3.00	15.00	1.500	1,000	N	N	N	20	>10,000
M2420C	34 11 6	111 43 51	5.0	5.00	20.00	1.500	500	N	N	N	<20	>10,000
M2421C	34 10 47	111 43 37	2.0	2.00	10.00	2.000	500	N	N	N	20	>10,000
M2422C	34 13 5	111 43 8	1.5	.30	15.00	1.500	700	N	N	N	30	>10,000
M2423C	34 13 7	111 42 55	1.5	.10	15.00	2.000	500	N	N	N	50	>10,000
M2424C	34 13 7	111 42 47	2.0	.30	20.00	2.000	500	N	N	20	30	>10,000
M2426C	34 13 26	111 42 22	3.0	3.00	30.00	1.500	700	N	N	N	20	>10,000
M2427C	34 13 50	111 42 17	2.0	3.00	20.00	1.000	700	N	N	N	20	>10,000
M2428C	34 14 20	111 42 31	5.0	1.50	15.00	1.500	1,000	N	N	N	50	>10,000
M2429C	34 14 20	111 42 36	5.0	.30	3.00	>2.000	1,000	N	N	<20	70	>10,000
M2430C	34 14 41	111 42 4	3.0	.50	20.00	2.000	300	N	N	N	30	>10,000
M2431C	34 9 14	111 43 54	2.0	.50	10.00	2.000	700	N	N	N	30	2,000
M2432C	34 8 28	111 43 44	.7	2.00	10.00	1.000	700	N	N	N	20	>10,000
M2433C	34 8 17	111 43 42	5.0	7.00	15.00	1.000	700	N	N	N	<20	2,000
M2434C	34 8 36	111 34 14	5.0	.50	.50	2.000	2,000	N	2,000	30	200	3,000
M2435C	34 8 36	111 34 33	7.0	3.00	3.00	2.000	700	N	<500	N	50	1,500
M2436C	34 8 21	111 33 8	7.0	.50	.70	>2.000	1,000	N	N	N	70	2,000
M2437C	34 8 50	111 33 2	7.0	.50	.20	2.000	1,000	N	200	N	50	1,500
M2438C	34 8 54	111 32 57	7.0	.50	.10	1.500	1,000	N	<500	N	50	1,500
M2439C	34 9 14	111 32 58	7.0	.50	.10	>2.000	500	N	<500	N	50	>10,000
M2440C	34 9 18	111 32 40	7.0	.20	.30	1.500	700	N	<500	<20	50	>10,000
M2441C	34 8 51	111 31 11	7.0	.20	.20	2.000	1,000	N	700	N	70	5,000
M2442C	34 8 27	111 32 5	7.0	.30	.70	2.000	1,000	1.0	1,500	N	50	10,000
M2443C	34 8 8	111 33 15	5.0	1.50	2.00	1.500	500	N	N	N	30	700
M2444C	34 7 53	111 32 34	3.0	.30	1.00	>2.000	1,000	N	N	N	100	700
M2445C	34 7 55	111 32 34	5.0	.20	1.00	>2.000	700	1.0	2,000	N	70	10,000
M2446C	34 7 52	111 32 36	5.0	.20	.50	>2.000	1,000	N	<500	<20	50	1,000
M2447C	34 8 17	111 33 51	7.0	3.00	2.00	2.000	700	1.0	N	N	30	700
M2448C	34 8 30	111 33 35	10.0	.30	1.00	2.000	1,000	N	500	N	50	>10,000
M2456C	34 14 52	111 35 22	2.0	.50	30.00	.500	700	1.0	N	N	30	1,500
M2458C	34 14 26	111 35 7	3.0	.50	5.00	>2.000	500	N	5,000	N	70	2,000
M2459C	34 14 26	111 35 3	3.0	2.00	3.00	>2.000	500	N	<500	N	200	5,000
M2460C	34 10 37	111 28 2	1.0	.30	30.00	1.000	100	N	N	N	30	>10,000
M2461C	34 10 27	111 27 43	1.0	.20	.50	2.000	200	N	N	N	50	>10,000

Table 2.--Continued

Sample	Be ²⁺ ppm s	Bi ³⁺ ppm s	Cd ²⁺ ppm s	Co ²⁺ ppm s	Cr ³⁺ ppm s	Cu ²⁺ ppm s	La ³⁺ ppm s	Mo ⁶⁺ ppm s	Nb ⁵⁺ ppm s	Ni ²⁺ ppm s	Pb ²⁺ ppm s	Sb ³⁺ ppm s	Sc ³⁺ ppm s
MZ408C	10	N	N	20	70	50	500	200	300	N	200	N	200
MZ409C	2	N	N	50	3,000	50	70	200	200	150	30	N	70
MZ410C	10	N	N	20	200	30	200	1,000	100	30	100	N	150
MZ411C	N	20	N	50	5,000	50	100	70	100	200	50	N	100
MZ412C	7	N	N	30	1,500	50	500	30	200	150	100	N	70
MZ413C	7	N	N	50	3,000	50	500	50	100	150	100	N	150
MZ414C	5	30	N	30	1,500	100	200	N	100	150	150	N	100
MZ415C	2	N	N	50	3,000	20	100	N	300	200	20	N	100
MZ416C	5	100	N	30	1,000	30	1,000	<10	500	100	70	N	150
MZ417C	7	N	N	50	1,500	30	300	<10	150	150	100	N	150
MZ418C	7	200	N	50	1,000	50	700	50	300	100	100	N	100
MZ419C	5	100	N	20	700	30	1,000	20	200	70	50	N	100
MZ420C	3	N	N	50	1,500	50	500	<10	200	100	50	N	100
MZ421C	10	300	N	20	500	150	200	N	500	50	70	N	100
MZ422C	7	N	N	N	50	30	1,000	100	300	<10	100	N	100
MZ423C	10	N	N	N	30	30	700	30	150	N	100	N	200
MZ424C	7	200	N	N	70	30	1,000	100	500	<10	100	N	200
MZ426C	5	N	N	100	700	30	700	20	200	70	70	N	150
MZ427C	5	N	N	100	1,000	50	700	20	200	70	70	N	100
MZ428C	10	N	N	20	500	50	1,000	15	200	50	150	N	150
MZ429C	20	N	N	N	30	100	2,000	15	300	30	150	N	70
MZ430C	7	<20	N	N	100	70	1,500	15	300	30	70	N	70
MZ431C	20	N	N	N	150	20	300	30	100	20	150	N	100
MZ432C	7	N	N	N	300	20	500	10	100	50	70	N	100
MZ433C	7	N	N	50	3,000	30	200	N	100	150	150	N	100
MZ434C	20	150	N	N	50	100	2,000	<10	200	<10	300	N	>200
MZ435C	15	N	N	30	700	70	>2,000	10	200	100	500	N	150
MZ436C	20	50	N	N	50	100	1,000	<10	150	<10	300	N	150
MZ437C	15	20	N	N	30	100	1,000	10	200	N	300	N	70
MZ438C	20	20	N	N	30	100	1,000	<10	150	N	200	N	70
MZ439C	15	100	N	N	50	100	1,000	10	300	N	700	N	100
MZ440C	20	N	N	N	20	100	2,000	<10	500	N	200	N	70
MZ441C	15	70	N	N	20	150	700	N	150	<10	200	N	150
MZ442C	7	50	N	N	20	100	700	10	300	<10	200	N	50
MZ443C	7	N	N	15	300	70	1,500	<10	200	<10	150	N	30
MZ444C	50	N	N	N	30	100	>2,000	N	150	50	300	N	200
MZ445C	50	<20	N	N	20	150	>2,000	10	150	30	2,000	N	150
MZ446C	30	N	N	N	20	300	2,000	<10	500	<10	1,500	N	150
MZ447C	20	N	N	20	700	30	1,000	N	200	70	200	N	70
MZ448C	30	50	N	N	20	100	1,500	10	200	50	200	N	50
MZ456C	<2	N	N	15	50	30	300	15	N	N	<20	N	15
MZ458C	3	500	N	20	100	1,000	200	N	70	N	10,000	N	30
MZ459C	5	50	N	20	500	300	100	N	200	50	2,000	N	100
MZ460C	10	N	N	<10	100	100	150	N	N	N	700	N	20
MZ461C	10	<20	N	N	30	50	100	15	300	N	100	N	20

Table 2.--Continued

Sample	Sn ²⁺ ppm s	Sr ⁸⁷ ppm s	V ⁵⁺ ppm s	W ⁶⁺ ppm s	Y ³⁺ ppm s	Zn ²⁺ ppm s	Zr ⁴⁺ ppm s	Th ²³² ppm s
MZ408C	150	200	100	200	100	N	>2,000	>5,000
MZ409C	70	300	200	1,000	100	N	>2,000	500
MZ410C	50	<200	200	2,000	1,000	N	>2,000	>5,000
MZ411C	50	300	200	1,000	70	N	>2,000	<200
MZ412C	70	500	150	300	50	N	>2,000	500
MZ413C	50	<200	150	100	50	N	>2,000	2,000
MZ414C	50	300	200	N	<20	N	>2,000	500
MZ415C	70	200	200	N	<20	N	>2,000	N
MZ416C	70	<200	150	N	<20	N	>2,000	3,000
MZ417C	50	<200	100	N	<20	N	>2,000	700
MZ418C	150	200	500	150	50	N	>2,000	>5,000
MZ419C	30	2,000	150	100	20	N	>2,000	3,000
MZ420C	50	2,000	100	N	<20	N	>2,000	300
MZ421C	100	500	100	100	1,000	N	>2,000	2,000
MZ422C	50	3,000	100	200	50	N	>2,000	5,000
MZ423C	70	3,000	100	200	30	N	>2,000	3,000
MZ424C	100	2,000	150	500	70	N	>2,000	>5,000
MZ426C	50	1,000	100	100	20	N	>2,000	5,000
MZ427C	50	<200	100	<100	20	N	>2,000	5,000
MZ428C	50	500	150	N	20	N	>2,000	3,000
MZ429C	150	1,000	100	100	20	N	>2,000	2,000
MZ430C	70	500	50	N	<20	N	>2,000	700
MZ431C	100	<200	50	100	50	N	>2,000	2,000
MZ432C	20	500	100	<100	<20	N	>2,000	300
MZ433C	50	<200	100	N	N	N	>2,000	1,000
MZ434C	50	2,000	200	N	<20	N	>2,000	>5,000
MZ435C	100	<200	100	N	20	N	>2,000	3,000
MZ436C	500	<200	100	N	<20	N	>2,000	1,000
MZ437C	>2,000	<200	70	N	20	N	>2,000	500
MZ438C	>2,000	200	50	N	<20	N	>2,000	1,000
MZ439C	>2,000	<200	100	N	<20	N	>2,000	1,000
MZ440C	500	<200	70	<100	<20	N	>2,000	2,000
MZ441C	>2,000	2,000	50	100	20	N	>2,000	200
MZ442C	>2,000	<200	50	N	<20	500	>2,000	<200
MZ443C	200	<200	70	N	<20	N	>2,000	200
MZ444C	700	5,000	200	N	N	N	>2,000	1,500
MZ445C	>2,000	3,000	100	<100	<20	N	>2,000	3,000
MZ446C	1,500	<200	200	<100	<20	N	>2,000	2,000
MZ447C	70	<200	100	N	<20	N	>2,000	300
MZ448C	700	<200	50	N	20	N	>2,000	2,000
MZ456C	<20	500	50	N	500	N	2,000	N
MZ458C	>2,000	1,000	1,000	100	200	1,000	>2,000	N
MZ459C	700	3,000	150	100	500	N	>2,000	N
MZ460C	50	5,000	100	N	150	N	1,000	N
MZ461C	<20	2,000	30	150	150	N	>2,000	N

Table 2.--Continued

Sample	Latitude	Longitude	Fe ²⁺ pct. s	Mg ²⁺ pct. s	Ca ²⁺ pct. s	Ti ²⁺ pct. s	Mn ²⁺ ppm s	Ag ⁺ ppm s	As ³⁺ ppm s	Au=ppm s	B=ppm s	Ba=ppm s
MZ463C	34 9 37	111 26 53	3.0	1.50	3.00	.700	500	200.0	2,000	N	50	>10,000
MZ465C	34 12 16	111 31 27	5.0	1.50	3.00	1.000	500	5.0	N	N	50	5,000
MZ466C	34 12 15	111 31 23	5.0	3.00	10.00	.200	1,000	N	N	N	50	2,000
MZ467C	34 13 24	111 32 26	2.0	.50	7.00	.700	2,000	2.0	N	N	200	3,000
MZ468C	34 14 42	111 34 29	3.0	1.50	5.00	2.000	500	2.0	N	N	70	5,000
MZ469C	34 11 4	111 33 33	3.0	1.00	3.00	1.500	700	1.5	N	N	70	7,000
MZ470C	34 10 58	111 33 33	5.0	1.00	5.00	.700	1,000	N	N	N	50	1,500
MZ471C	34 10 22	111 34 27	7.0	.20	.20	2.000	500	N	<500	<20	70	10,000
MZ472C	34 10 8	111 34 8	7.0	.20	.10	1.500	300	N	N	N	70	1,000
MZ473C	34 10 4	111 34 43	7.0	.50	2.00	1.000	500	N	N	N	70	2,000
MZ474C	34 10 47	111 35 9	7.0	1.50	1.00	2.000	500	N	1,500	N	50	10,000
MZ475C	34 11 48	111 33 36	3.0	1.00	1.50	2.000	200	N	N	N	300	>10,000
MZ477C	34 12 29	111 33 17	1.0	1.50	2.00	.150	500	N	3,000	N	100	>10,000
MZ478C	34 12 30	111 33 22	2.0	.30	1.50	.200	500	1.0	N	N	200	>10,000
MZ479C	34 6 14	111 26 0	5.0	1.00	2.00	2.000	500	2.0	N	N	20	10,000
MZ485C	34 8 23	111 35 45	7.0	.50	.50	2.000	700	N	N	N	50	5,000
MZ486C	34 8 17	111 35 53	5.0	2.00	2.00	2.000	700	N	<500	N	50	1,500

Table 2.-- Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
MZ463C	20	N	<50	20	700	10,000	200	30	<50	50	50,000	2,000	30
MZ465C	<2	N	N	15	100	700	70	10	N	N	500	N	30
MZ466C	N	N	N	20	1,000	100	50	N	50	50	300	N	50
MZ467C	3	20	200	10	100	10,000	300	20	<50	50	30,000	N	20
MZ468C	2	<20	N	15	300	100	100	N	100	30	300	N	50
MZ469C	7	1,000	N	10	100	200	100	N	100	N	1,500	N	50
MZ470C	2	50	N	20	50	70	N	N	N	N	100	N	30
MZ471C	2	N	N	N	30	50	1,000	10	500	30	200	N	50
MZ472C	<2	<20	N	10	20	30	200	N	150	N	200	N	20
MZ473C	10	200	N	20	50	100	300	N	150	N	500	N	30
MZ474C	<2	100	N	20	500	50	300	N	300	70	150	N	70
MZ475C	3	200	<50	15	300	150	150	N	100	20	5,000	N	70
MZ477C	N	200	N	10	500	200	150	N	N	N	3,000	N	10
MZ478C	N	N	N	<10	50	100	100	N	N	N	3,000	N	10
MZ479C	<2	150	<50	20	100	20,000	100	15	50	N	15,000	N	50
MZ485C	5	N	<50	N	100	300	1,000	10	200	<10	300	N	100
MZ486C	10	N	<50	30	500	300	1,000	<10	200	50	200	N	70

Table 2.--Continued

Sample	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
MZ463C	50	1,000	5,000	N	70	1,500	2,000	N
MZ465C	N	500	1,000	N	30	N	1,500	N
MZ466C	<20	500	200	N	30	N	200	N
MZ467C	500	1,500	10,000	100	150	1,000	>2,000	N
MZ468C	N	1,000	100	<100	200	N	>2,000	N
MZ469C	700	500	150	<100	500	N	>2,000	N
MZ470C	N	500	200	N	100	N	1,500	N
MZ471C	1,000	2,000	100	<100	5,000	N	>2,000	3,000
MZ472C	300	500	50	100	500	N	>2,000	200
MZ473C	100	1,000	100	<100	1,000	N	>2,000	200
MZ474C	70	500	70	<100	1,000	N	>2,000	500
MZ475C	1,500	2,000	200	N	500	N	>2,000	<200
MZ477C	2,000	2,000	150	N	50	500	2,000	N
MZ478C	1,500	7,000	700	N	50	700	2,000	N
MZ479C	20	500	3,000	N	100	N	500	N
MZ485C	700	500	100	N	2,000	N	>2,000	1,500
MZ486C	50	500	70	N	1,500	N	>2,000	700